

# Human Phosphatidylinositol 5 phosphate 4 kinase type 2 Alpha (PIP4K2A) ELISA Kit | PIP4K2A elisa kit

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|-------------------------------|----------------------------|
| CATALOG #<br><b>AAA245163</b> | REACTIVITY<br><b>Human</b> |
|-------------------------------|----------------------------|

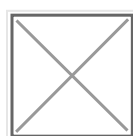
## PRODUCT SYNONYMS

Phosphatidylinositol 5 phosphate 4 kinase type 2 Alpha (PIP4K2A); Human Phosphatidylinositol 5 phosphate 4 kinase type 2 Alpha (PIP4K2A) ELISA Kit; PIP4K2A elisa kit

## PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Human                                                                      |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate |
| Assay Type              | Quantitative Competitive                                                   |
| Sensitivity             | 1.0 ng/mL.                                                                 |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

## IMAGES



Standard Curve (Sample)

## ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| Related Product Information for PIP4K2A elisa kit | <p>Intended Uses: This PIP4K2AELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PIP4K2A. This ELISA kit for research use only!</p> <p>Principle of the Assay: PIP4K2AELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PIP4K2Aantibody and an PIP4K2A-HRP conjugate. The assay sample and buffer are incubated together with PIP4K2A-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PIP4K2Aconcentration since PIP4K2Afrom samples and PIP4K2A-HRP conjugate compete for the anti-PIP4K2Aantibody binding site. Since the number of sites is limited, as more sites are occupied by PIP4K2Afrom the sample, fewer sites are left to bind PIP4K2A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PIP4K2Aconcentration in each sample is interpolated from this standard curve.</p> |
| Product Categories/Family for PIP4K2A elisa kit   | <a href="#">Signal Transduction</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## NCBI AND UNIPROT INFORMATION

|           |         |
|-----------|---------|
| NCBI GI # | 6857820 |
|-----------|---------|

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GeneID                      | 5305                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| NCBI Accession #                 | NP_005019.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| NCBI GenBank Nucleotide #        | NM_005028.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Molecular Weight                 | 46,225 Da                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| NCBI Official Full Name          | phosphatidylinositol 5-phosphate 4-kinase type-2 alpha                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| NCBI Official Synonym Full Names | phosphatidylinositol-5-phosphate 4-kinase, type II, alpha                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| NCBI Official Symbol             | PIP4K2A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| NCBI Official Synonym Symbols    | PIPK; PI5P4KA; PIP5K2A; PIP5KIIA; PIP5KII-alpha                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| NCBI Protein Information         | phosphatidylinositol 5-phosphate 4-kinase type-2 alpha; PIP5KIII; PIP5KIIalpha; PIP4KII-alpha; PI(5)P 4-kinase type II alpha; PtdIns(4)P-5-kinase B isoform; ptdIns(4)P-5-kinase C isoform; diphosphoinositide kinase 2-alpha; ptdIns(5)P-4-kinase isoform 2-alpha; 1-phosphatidylinositol-4-phosphate kinase; 1-phosphatidylinositol-4-phosphate-5-kinase; 1-phosphatidylinositol 5-phosphate 4-kinase 2-alpha; 1-phosphatidylinositol-5-phosphate 4-kinase 2-alpha; phosphatidylinositol-5-phosphate 4-kinase type-2 alpha; phosphatidylinositol 5-phosphate 4-kinase type II alpha; phosphatidylinositol-4-phosphate 5-kinase, type II, alpha; type II phosphatidylinositol-4-phosphate 5-kinase 53 K isoform |
| UniProt Protein Name             | Phosphatidylinositol 5-phosphate 4-kinase type-2 alpha                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| UniProt Gene Name                | PIP4K2A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| UniProt Synonym Gene Names       | PIP5K2; PIP5K2A; PI(5)P 4-kinase type II alpha; PIP4KII-alpha                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| UniProt Entry Name               | PI42A_HUMAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/phosphatidylinositol-5-phosphate-4-kinase-type-2-alpha-pip4k2a/245163>