

## PI4KA recombinant protein

PI4KA, Active

|                              |                                                   |                                     |
|------------------------------|---------------------------------------------------|-------------------------------------|
| CATALOG #<br><b>AAA73066</b> | HOST<br><b>Sf9 insect cells using baculovirus</b> | APPLICATIONS<br><b>Kinase Assay</b> |
|------------------------------|---------------------------------------------------|-------------------------------------|

### PRODUCT SYNONYMS

PI4KA; Active; PI4KA recombinant protein

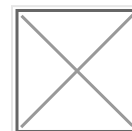
### PRODUCT SPECIFICATIONS

|                                                       |                                                                                                                                                                                                                                                      |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                  | Sf9 insect cells using baculovirus                                                                                                                                                                                                                   |
| Form/Format                                           | 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.                                                                                                                                               |
| Sequence Positions                                    | Full length                                                                                                                                                                                                                                          |
| Sequence Length                                       | 854                                                                                                                                                                                                                                                  |
| Applicable Applications for PI4KA recombinant protein | Kinase Assay                                                                                                                                                                                                                                         |
| Species                                               | Human                                                                                                                                                                                                                                                |
| Tag                                                   | GST tag                                                                                                                                                                                                                                              |
| Dry Ice Note                                          | The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.                                                                                                                                                   |
| Preparation and Storage                               | Store product at -70 degree C.<br>For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature.<br>For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. |

### IMAGES



Application Data



Application Data

### ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| Related Product Information for PI4KA recombinant protein | <p>Description: Recombinant full-length human PI4KA was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.</p> <p>Scientific Background: PI4KA encodes a phosphatidylinositol (PI) 4-kinase which catalyzes the first committed step in the biosynthesis of phosphatidylinositol 4,5-bisphosphate. The mammalian PI 4-kinases have been classified into two types, II and III, based on their molecular mass, and modulation by detergent and adenosine. The protein encoded by PI4KA gene is a type III enzyme that is not inhibited by adenosine. PI4KA is highly expressed in placenta and brain (1). PI4KA is associated with the membranes of Golgi vesicles and vacuoles (2).</p> |
| Product Categories/Family for PI4KA recombinant protein   | Enzymes; Active Lipid Kinases                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| References                                                | <p>1. Wong, K. et.al: Cloning and characterization of a human phosphatidylinositol 4-kinase. J. Biol. Chem. 269: 28878-28884, 1994. 2. Nakagawa, T. et.al: Cloning, expression, and localization of 230-kDa phosphatidylinositol 4-kinase. J. Biol. Chem. 271: 12088-12094, 1996.</p>                                                                                                                                                                                                                                                                                                                                                                                                                          |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                   |
|----------------------------------|-------------------------------------------------------------------|
| NCBI GI #                        | 155030227                                                         |
| NCBI GeneID                      | 5297                                                              |
| NCBI Accession #                 | NM_002650.2                                                       |
| NCBI GenBank Nucleotide #        | NM_002650                                                         |
| Molecular Weight                 | ~120 kDa                                                          |
| NCBI Official Synonym Full Names | phosphatidylinositol 4-kinase alpha                               |
| NCBI Official Symbol             | PI4KA                                                             |
| NCBI Official Synonym Symbols    | PIK4CA; PMGYCHA; pi4K230; PI4K-ALPHA                              |
| NCBI Protein Information         | phosphatidylinositol 4-kinase alpha                               |
| UniProt Protein Name             | Phosphatidylinositol 4-kinase alpha                               |
| UniProt Gene Name                | <b>PI4KA</b>                                                      |
| UniProt Synonym Gene Names       | PIK4; PIK4CA; PI4-kinase alpha; PI4K-alpha; PtdIns-4-kinase alpha |

**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/pi4ka-recombinant-protein-sf9-insect-cells-using-baculovirus-kinase-assay/73066>