

# Human Phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 1 protein ELISA Kit | PREX1 elisa kit

Human Phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 1 protein ELISA Kit

CATALOG #  
**AAA191217**

REACTIVITY  
**Human**

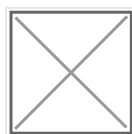
## PRODUCT SYNONYMS

Phosphatidylinositol 3; 4; 5-trisphosphate-dependent Rac exchanger 1 protein; Human Phosphatidylinositol 3; 5-trisphosphate-dependent Rac exchanger 1 protein ELISA Kit; P-Rex1; PtdIns(3; 5)-dependent Rac exchanger 1; PREX1; KIAA1415; PREX1 elisa kit

## PRODUCT SPECIFICATIONS

|                         |                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                 |
| Specificity             | Recombinant and natural Human P-Rex1                                                  |
| Sequence Length         | 1659                                                                                  |
| Samples                 | Serum, plasma, tissue homogenates, cell culture supernates or other biological fluids |
| Detection Range         | 0.156-10 ng/mL                                                                        |
| Sensitivity             | < 0.082 ng/mL                                                                         |
| Intra-assay Precision   | Intra-Assay CV: <=5.5%                                                                |
| Inter-assay Precision   | Inter-Assay CV: <=7.5%                                                                |
| Preparation and Storage | For long term storage, please store the entire kit at -20 degree C.                   |

## IMAGES



Standard Curve (Sample)

## ADDITIONAL INFORMATION

### Related Product Information for PREX1 elisa kit

**Intended Uses:** This immunoassay kit allows for the in vitro quantitative determination of target antigen concentrations in serum, plasma, tissue homogenates, cell culture supernates or other biological fluids.

**Principle of the Assay:** The microtiter plate provided in this kit has been pre-coated with an antibody specific to target antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for target antigen and then avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain target antigen, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of target antigen in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------|
| NCBI GI #                        | 34452732                                                                               |
| NCBI GeneID                      | 57580                                                                                  |
| NCBI Accession #                 | NP_065871.2                                                                            |
| NCBI GenBank Nucleotide #        | NM_020820.3                                                                            |
| UniProt Accession #              | Q8TCU6; Q5JS95; Q5JS96; Q69YL2; Q7Z2L9; Q9BQH0; Q9BX55; Q9H4Q6; Q9P2D2; Q9UGQ4; E1P5X9 |
| Molecular Weight                 | 175,847 Da                                                                             |
| NCBI Official Full Name          | phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 1 protein             |
| NCBI Official Synonym Full Names | phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1               |
| NCBI Official Symbol             | PREX1                                                                                  |
| NCBI Official Synonym Symbols    | P-REX1                                                                                 |
| NCBI Protein Information         | phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 1 protein             |
| UniProt Protein Name             | Phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 1 protein             |
| UniProt Gene Name                | <b>PREX1</b>                                                                           |
| UniProt Synonym Gene Names       | KIAA1415; P-Rex1; PtdIns(3,4,5)-dependent Rac exchanger 1                              |
| UniProt Entry Name               | PREX1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/prex1-human-elisa-kits/phosphatidylinositol-345-trisphosphate-dependent-rac-exchanger-1-protein/191217>