

## Human PTPRN ELISA Kit | PTPRN elisa kit

Human PTPRN (Protein Tyrosine Phosphatase Receptor Type N) ELISA Kit

CATALOG #  
**AAA164590**

REACTIVITY  
**Human**

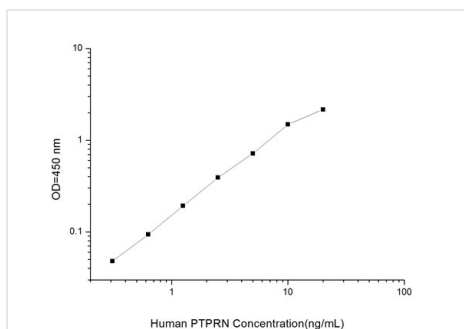
### PRODUCT SYNONYMS

PTPRN; Human PTPRN (Protein Tyrosine Phosphatase Receptor Type N) ELISA Kit; PTPRN elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                    |
| Specificity             | This kit recognizes natural and recombinant Human PTPRN. No significant cross-reactivity or interference between Human PTPRN and analogues was observed. |
| Sequence Length         | 950                                                                                                                                                      |
| Samples                 | Serum, Plasma, Biological Fluids                                                                                                                         |
| Assay Type              | Sandwich                                                                                                                                                 |
| Detection Range         | 0.313-20ng/mL                                                                                                                                            |
| Sensitivity             | Min: 0.188ng/mL; Max: 20ng/mL                                                                                                                            |
| Preparation and Storage | Store at 4 degree C.                                                                                                                                     |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for PTPRN elisa kit | <p>Intended Uses: This ELISA kit applies to the invitro quantitative determination of HumanPTPRNconcentrations in serum, plasma and other biological fluids.</p> <p>Principle of the Assay: This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to PTPRN. Standards or samples are added to the appropriate micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for PTPRNand Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain PTPRN, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of PTPRN.You can calculate the concentration of PTPRNin the samples by comparing the OD of the samples to the standard curve.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                   |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 47124459                                                                                                                                                                          |
| NCBI GeneID                      | 5798                                                                                                                                                                              |
| UniProt Accession #              | Q16849; Q08319; Q53QD6; Q6NSL1; B4DK12; F5GZS3                                                                                                                                    |
| Molecular Weight                 | 96,261 Da                                                                                                                                                                         |
| NCBI Official Full Name          | PTPRN protein                                                                                                                                                                     |
| NCBI Official Synonym Full Names | protein tyrosine phosphatase, receptor type, N                                                                                                                                    |
| NCBI Official Symbol             | PTPRN                                                                                                                                                                             |
| NCBI Official Synonym Symbols    | IA2; IA-2; ICA512; R-PTP-N; IA-2/PTP                                                                                                                                              |
| NCBI Protein Information         | receptor-type tyrosine-protein phosphatase-like N; ICA 512; PTP IA-2; islet cell antigen 2; islet cell antigen 512; islet cell autoantigen 3; protein tyrosine phosphatase-like N |
| UniProt Protein Name             | Receptor-type tyrosine-protein phosphatase-like N                                                                                                                                 |
| UniProt Gene Name                | PTPRN                                                                                                                                                                             |
| UniProt Synonym Gene Names       | ICA3; ICA512; R-PTP-N; ICA 512                                                                                                                                                    |
| UniProt Entry Name               | PTPRN_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.