

## Human Prolyl Endopeptidase-Like (PREPL) ELISA Kit | PREPL elisa kit

Human Prolyl Endopeptidase-Like (PREPL) ELISA Kit

CATALOG #  
**AAA331351**

REACTIVITY  
**Human**

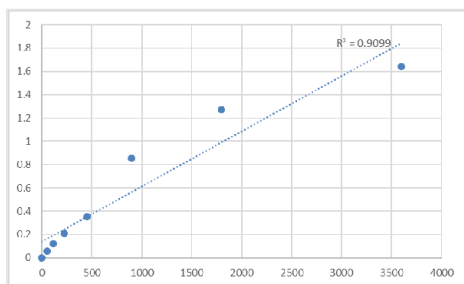
### PRODUCT SYNONYMS

Prolyl Endopeptidase-Like (PREPL); Human Prolyl Endopeptidase-Like (PREPL) ELISA Kit; PREPL; FLJ16627; KIAA0436; OTTHUMP00000202420; OTTHUMP00000202421; OTTHUMP00000202424; OTTHUMP00000202425; OTTHUMP00000202426; putative prolyl oligopeptidase; PREPL elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Human Prolyl endopeptidase-like (PREPL) ELISA Kit has high sensitivity and excellent specificity for detection of Human PREPL. No significant cross-reactivity or interference between Human PREPL and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Sequence Length         | 665                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type              | Sandwich ELISA (Quantitative)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Samples                 | Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Detection Method        | Colorimetric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Usage Notes             | <ul style="list-style-type: none"> <li>* Do not mix components from different kit lots or use reagents beyond the kit expiration date.</li> <li>* Allow all reagents to warm to room temperature for at least 30 minutes before opening.</li> <li>* Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination.</li> <li>* Unused wells must be kept desiccated at 4 degree C in the sealed bag provided.</li> <li>* Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes.</li> <li>* It is recommended that all samples and standards be assayed in duplicate or triplicate.</li> </ul> |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### IMAGES



**Standard Curve (Sample)**

Fig.1. Human Prolyl endopeptidase-like (PREPL) Standard Curve.

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for PREPL elisa kit | <p>Description: This Human Prolyl endopeptidase-like (PREPL) ELISA Kit employs a two-site sandwich ELISA to quantitate PREPL in samples. An antibody specific for PREPL has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PREPL present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PREPL is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PREPL bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: PREPL belongs to the prolyl oligopeptidase subfamily of serine peptidases. Mutations in this gene have been associated with hypotonia-cystinuria syndrome, also known as the 2p21 deletion syndrome. Several alternatively spliced transcript variants encoding either the same or different isoforms have been described for this gene. The longest deduced protein contains 727 amino acids and has a propeller domain in its N-terminal half and a catalytic domain, including the catalytic triad (ser, asp, his) essential for serine peptidases, in its C-terminal half. In sharp contrast to PREP and oligopeptidase B, which require both amino- and carboxy-terminal sequences for activity, PREPL activity appeared to depend only on the carboxy-terminal domain.</p> |
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NCBI AND UNIPROT INFORMATION

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|----------------------------------|-------------------------------------|
| NCBI GI #                        | 108860686                           |
| NCBI GeneID                      | 9581                                |
| NCBI Accession #                 | NP_001035844.1                      |
| NCBI GenBank Nucleotide #        | NP_001035844.1                      |
| UniProt Accession #              | Q4J6C6                              |
| NCBI Official Full Name          | prolyl endopeptidase-like isoform 2 |
| NCBI Official Synonym Full Names | prolyl endopeptidase like           |
| NCBI Official Symbol             | PREPL                               |
| NCBI Official Synonym Symbols    | CMS22                               |
| NCBI Protein Information         | prolyl endopeptidase-like           |
| UniProt Protein Name             | Prolyl endopeptidase-like           |
| UniProt Gene Name                | PREPL                               |
| UniProt Synonym Gene Names       | KIAA0436                            |
| UniProt Entry Name               | PPCEL_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://www.aaabiotech.com/human-elisa-kits/prolyl-endopeptidase-like-prepl/331351>