

## Recombinant Mouse Ptpb protein, His & T7-tagged

**Cat. No.** Ptpb-1433M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Ptpb aa. (Gly1214~Val1463 (Accession # B2RU80)) fused with N-terminal His & T7 tag was produced in E. coli cells.                                                                                                                                                                                                 |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | Gly1214~Val1463                                                                                                                                                                                                                                                                                                                     |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 32.2kDa.                                                                                                                                                                                                                                                                                                  |
| <b>Endotoxin</b>        | <1.0EU per 1g (determined by the LAL method).                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>           | >95%                                                                                                                                                                                                                                                                                                                                |
| <b>Characteristic</b>   | The isoelectric point is 8.8.                                                                                                                                                                                                                                                                                                       |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP.                                                                                                                                                                                                                                                                                                            |
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |

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|                       |                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. |
| <b>Storage buffer</b> | Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.                       |
| <b>Reconstitution</b> | Reconstitute in sterile PBS, pH7.2-pH7.4.                                                                  |

## GENE INFORMATION

|                        |                                                                                                                                                                                                          |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Ptprb protein tyrosine phosphatase, receptor type, B [ Mus musculus (house mouse) ]                                                                                                                      |
| <b>Official Symbol</b> | Ptprb                                                                                                                                                                                                    |
| <b>Synonyms</b>        | Ptpz; Rptpb; Veptp; VE-PTP; C130094E24; 3230402H02Rik; R-PTP-beta; protein-tyrosine phosphatase beta; vascular endothelial protein tyrosine phosphatase; receptor-type tyrosine-protein phosphatase beta |
| <b>Gene ID</b>         | 19263                                                                                                                                                                                                    |
| <b>mRNA Refseq</b>     | NM_029928.2                                                                                                                                                                                              |
| <b>Protein Refseq</b>  | NP_084204.2                                                                                                                                                                                              |
| <b>UniProt ID</b>      | B2RU80                                                                                                                                                                                                   |

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