

## Recombinant Mouse Ptpre Protein, Myc/DDK-tagged

**Cat. No.** Ptpre-5245M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length protein tyrosine phosphatase, receptor type, E (Ptpre), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | Isoform 1 and isoform 2 act as a negative regulator of FcεRI-mediated signal transduction leading to cytokine production and degranulation, most likely by acting at the level of SYK to affect downstream events such as phosphorylation of SLP76 and LAT and mobilization of Ca <sup>2+</sup> . |
| <b>Molecular Mass</b>   | 81.1 kDa                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                       |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                     |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                                                                    |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                                                                                                  |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                             |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

## GENE INFORMATION

|                 |                                                                                                                                                                                         |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | Ptpre protein tyrosine phosphatase, receptor type, E [ Mus musculus (house mouse) ]                                                                                                     |
| Official Symbol | Ptpre                                                                                                                                                                                   |
| Synonyms        | PTPRE; protein tyrosine phosphatase, receptor type, E; receptor-type tyrosine-protein phosphatase epsilon; R-PTP-epsilon; protein-tyrosine phosphatase epsilon; PTPe; PTPepsilon; RPTPe |
| Gene ID         | 19267                                                                                                                                                                                   |
| mRNA Refseq     | NM_011212                                                                                                                                                                               |
| Protein Refseq  | NP_035342                                                                                                                                                                               |
| UniProt ID      | P49446                                                                                                                                                                                  |

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