

Active Recombinant Mouse PTPRC protein, hFc-tagged

Cat. No. PTPRC-2172M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse PTPRC protein(NP_035340.3)(Met1-Leu429), fused with hFc tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Leu429
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Immobilized human SEMA4D-His at 10 µg/ml (100 µl/well) can bind mouse PTPRC-Fc with a linear range of 0.625-5 µg/ml.
Molecular Mass	The recombinant mouse PTPRC /Fc is a disulfide-linked homodimer. The reduced monomer comprises 643 amino acids and has a predicted molecular mass of 71.7 KDa. The apparent molecular mass of the protein is approximately 118 KDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 85 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C

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Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [Ptprc protein tyrosine phosphatase, receptor type, C \[Mus musculus \]](#)

Official Symbol [PTPRC](#)

Synonyms

PTPRC; protein tyrosine phosphatase, receptor type, C; receptor-type tyrosine-protein phosphatase C; L-CA; lymphocyte antigen 5; leukocyte common antigen; lymphocyte common antigen; loc; B220; Cd45; Ly-5; T200; CD45R; Lyt-4;

Gene ID [19264](#)

mRNA Refseq [NM_001111316](#)

Protein Refseq [NP_001104786](#)

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