

Active Recombinant Human PTPRC protein(Met1-Lys416), hFc-tagged

Cat. No. PTPRC-1262H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD45 (NP_563578.2) (Met1-Lys416) was expressed in HEK293, fused with the Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Lys416
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	Measured by its ability to bind biotinylated Human Galectin-1 in a functional ELISA.
Molecular Mass	The recombinant mature Human CD45/Fc chimeric protein consists of 629 amino acids and has a calculated molecular mass of 71.1 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of Human CD45/Fc monomer is approximately 122 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 90 % 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 \[Homo sapiens \]](#)

Official Symbol [PTPRC](#)

Synonyms

PTPRC; protein tyrosine phosphatase, receptor type, C; CD45; receptor-type tyrosine-protein phosphatase C; GP180; LCA; T200; CD45 antigen; T200 glycoprotein; leukocyte common antigen; leukocyte-common antigen; T200 leukocyte common antigen; protein tyrosine phosphatase, receptor type, c polypeptide; LY5; B220; L-CA; CD45R;

Gene ID [5788](#)

mRNA Refseq [NM_002838](#)

Protein Refseq [NP_002829](#)

MIM [151460](#)

UniProt ID [P08575](#)

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