PTPRC (CD45) Recombinant Protein | PTPRC recombinant protein

PTPRC (CD45), Active

CATALOG #	HOST	APPLICATIONS
AAA73844	**Sf9 insect cells**	**Western Blot**

PRODUCT SYNONYMS

PTPRC (CD45); Active; CD45; LCA; T200; LY5; B220; GP180; PTPRC recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM MOPS, pH7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Applicable Applications for PTPRC recombinant protein	WB (Western Blot), Phosphatase Assay
Tag	HIS
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES

SDS-PAGE
Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.

Activity
Specific Activity: Sample Enzyme Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for PTPRC recombinant protein	Recombinant human PTPRC (604-end) was expressed in Sf9 insect cells using an N-terminal His tag. The gene accession number is NM_002838. PTPRC (CD45) contains an extracellular domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains and thus belongs to receptor type PTP (1). This gene is specifically expressed in hematopoietic cells (2). PTPRC has been shown to be an essential regulator of T-and B-cell antigen receptor signaling. It functions through either direct interaction with components of the antigen receptor complexes, or by activating various Src family kinases required for the antigen receptor signaling.
Product Categories/Family for PTPRC recombinant protein	Phosphatases; Cancer; Inflammation; Invasion/Metastasis; Phosphatases
References	1. Ralph, S. J. et al: Structural variants of human T200 glycoprotein (leukocyte-common antigen). EMBO J. 6: 1251-1257, 1987. 2. Fischer, E. H. et al: Protein tyrosine phosphatases: a diverse family of intracellular and transmembrane enzymes. Science 253: 401-406, 1991.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_002838
Molecular Weight	~95kDa

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/ptprc-cd45-recombinant-protein-sf9-insect-cells-wb-western-blot-phosphatase-assay/73844