

Recombinant Human Protein Tyrosine Phosphatase, Receptor Type, C

Cat. No. PTPRC-4265H Lot. No. (See product label)

SPECIFICATION

Product Overview	CD45 Human Recombinant (aa 1102-1150) expressed in E.coli, shows a 33 kDa band on SDS-PAGE (Including GST). The CD45 is purified by proprietary chromatographic techniques.
Species	Human
Source	E.coli
ProteinLength	1102-1150 a.a.
Description	CD45 leukocyte common antigen (LCA) belongs to the family of at least four isoforms of membrane glycoproteins (220, 205, 190, 180kDa) expressed on hematopoietic cell lines but absent on non-hematopoietic cell lines, normal and malignant non-hematopoietic tissues. The intracellular portion of these molecules has protein phosphatase activity and is involved in regulation of transmembrane signals.
Form	CD45 at 100g/1ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.
Physical Appearance	Sterile Filtered clear solution.
Storage	Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months. Please prevent freeze-thaw cycles.

GENE INFORMATION

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

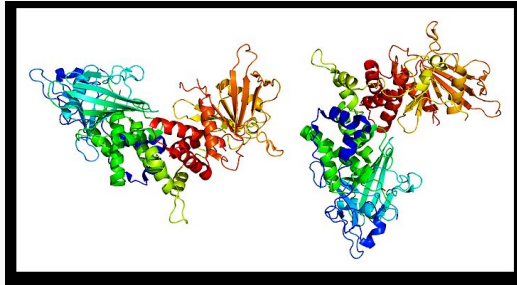
Gene Name	PTPRC protein tyrosine phosphatase, receptor type, C [Homo sapiens]
Official Symbol	PTPRC
Synonyms	PTPRC; protein tyrosine phosphatase, receptor type, C; LCA; LY5; B220; CD45; T200; CD45R; GP180; CD45 antigen; glycoprotein; T200 glycoprotein; leukocyte-common antigen; T200 leukocyte common antigen; protein tyrosine phosphatase, receptor type, c polypeptide; Leukocyte common antigen; L-CA; EC 3.1.3.48; protein tyrosine phosphatase, receptor type, c polypeptide
Gene ID	5788
mRNA Refseq	NM_002838
Protein Refseq	NP_002829
MIM	151460
UniProt ID	P08575
Chromosome Location	1q31-q32
Pathway	Cell adhesion molecules (CAMs); Fc gamma R-mediated phagocytosis; Primary immunodeficiency; T cell receptor signaling pathway; Axon guidance; Signaling in Immune system
Function	heparan sulfate proteoglycan binding; heparin binding; hydrolase activit; protein binding; protein kinase binding; transmembrane receptor protein tyrosine phosphatase activity

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PDBrendering based
on 1ygr.



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