

Recombinant Rat Ptprc Protein, His-tagged

Cat. No. Ptprc-1203R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Ptprc Protein (Asp357-Ala547) with His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Asp357-Ala547
Description	Enables protein tyrosine phosphatase activity. Involved in T cell receptor signaling pathway; regulation of gene expression; and response to gamma radiation. Located in cell surface. Is integral component of plasma membrane. Human ortholog(s) of this gene implicated in hepatitis C; multiple sclerosis; severe combined immunodeficiency; and severe combined immunodeficiency, autosomal recessive, T cell-negative, B cell-positive, Nk cell-positive. Orthologous to human PTPRC (protein tyrosine phosphatase receptor type C).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 25.2 kDa; Accurate Molecular Mass: 27 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Ptprc protein tyrosine phosphatase, receptor type, C [Rattus norvegicus (Norway rat)]
Official Symbol	Ptprc
Synonyms	Ptprc; protein tyrosine phosphatase, receptor type, C; Lca; RT7; CD45; L-CA; T200; mes; T200 glycoprotein; leucocyte common antigen; leukocyte common antigen A; leukocyte common antigen B; protein tyrosine phosphatase, receptor-type, c polypeptide; EC 3.1.3.48
Gene ID	24699
mRNA Refseq	NM_138507
Protein Refseq	NP_612516
UniProt ID	P04157

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