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PTPRC, 1031-1251aa Human, His tag, E.coli

产品货号: TP03600

第三版

别名: Protein tyrosine phosphatase, receptor type, isoform 1, LCA, LY5, B220, CD45, T200, GP180

**描述:** PTPRC, also known as CD45, is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitosis, and oncogenic transformation. This PTP contains an extracellular domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains, and thus is classified as a receptor type PTP. This PTP 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. This PTP also suppresses JAK kinases, and thus functions as a regulator of cytokine receptor signaling. Recombinant human PTPRC protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**配方:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

**分子量:** 29.6 kDa (257aa) confirmed by MALDI-TOF

**序列:**

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSVMIAAQGPLKETIGDFWQMIFQRKVKVIVMLTELKHGD  
QEICAQYWGEKQTYGDIEVDLKDTSSTYTLRVFELRHRSKRKDSRTVYQYQYTNWSVEQLPAEPKELISMIQVVKQKL  
PQKNSSEGNKHHKSTPLLIHCRDGSQQTGIFCALLNLLESAETEEVVDIFQVVKALRKARPGMVSTFEQYQFLYDVIASSTYP  
AQNGQVKKNNHQEDKIEFDNE

**纯度:** > 95% by HPLC

**浓度:** 0.25 mg/ml (determined by Bradford assay)

**内毒素:** <1.0 EU per 1 ug of protein (determined by LAL method)

**存储:** +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.