

## 32-2771: PTPRC Recombinant Protein

**Alternative Name :** LCA,LY5,B220,CD45,T200,GP180,Receptor-type tyrosine-protein phosphatase C,Leukocyte common antigen,L-CA,PTPRC.

### Description

Source : Escherichia Coli. PTPRC Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 257 amino acids (1031-1251a.a) and having a molecular mass of 29.6kDa. PTPRC is fused to a 36 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Protein Tyrosine Phosphatase Receptor Type C, also known as PTPRC, which is a vital regulator of T- and B-cell antigen receptor signaling, is also a part of the protein tyrosine phosphatase (PTP) family. PTPs are signaling molecules which regulate a variety of cellular processes including differentiation, cell growth, mitosis, and oncogenic transformation. PTPRC contains an extracellular domain, a single transmembrane segment and 2 tandem intracytoplasmic catalytic domains, and therefore is classified as a receptor type PTP.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 95% as determined by SDS-PAGE.  
**Content :** The PTPRC solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSVMIA AQPGLKETIG DFWQMIFQRK  
VKVIVMLTEL KHGDQEICAQ YWGEGKQTYG DIEVDLKDTD KSSTYTLRVF ELRHSKRKDS RTVYQYQYTN  
WSVEQLPAEP KELISMIQVV KQKLPQKNSS EGNKHHKSTP LLIHCRDGSQ QTGIFCALLN LLESAETEEV  
VDIFQVVKAL RKARPGMVST FEYQFLYDV IASTYPAQNG QVKKNNHQED KIEFDNE.

