

## 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

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 10 µg   |
| <b>Purification :</b>      | Greater than 95% as determined by SDS-PAGE.   |
| <b>Content :</b>           | The PTPRC solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.  |
| <b>Storage condition :</b> | 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.  |
| <b>Amino Acid :</b>        | MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSVMIA AQQPLKETIG DFWQMIFQRK<br>VKVIVMLTEL KHGDQEICAQ YWGEGKQTYG DIEVDLKDTD KSSTYTLRVF ELRHSKRKDS<br>RTVYQYQYTN WSVEQLPAEP KELISMIQVV KQKLPQKNSS EGNKHHKSTP LLIHCRDGSQ<br>QTGIFCALLN LLESAETEEV VDIFQVVKAL RKARPGMVST FEQYQFLYDV IASTYPAQNG<br>QVKKNNHQED KIEFDNE. |

