



Recombinant Human PTPRC Protein Product Manual

1. Product Basic Information

Product No.: REP07957

Protein Name: Cd45 Antigen (PTPRC)

Aliases: LCA; LY5; B220; CD45; L-CA; T200; CD45R; GP180; IMD105; CD45 antigen; glycoprotein 180; T200 glycoprotein; T200 leukocyte common antigen

UniProt ID: P08575

UniProt Link: <https://www.uniprot.org/uniprotkb/P08575/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Extracellular Domain (26-577aa)

Molecular Weight: 76.8kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (26-577aa)

QSPTPSPTGLTTAKMPSVPLSSDPLPHTTAFSPASTFERENDFSETTTSLSPDNTS
TQVSPDSLNDNASAFNTTGVSSVQTPHLPTHADSQTPSAGTDTQTFSGSAANAKLNP
TPGSNAISDVPGERSTASTFPTDPVSPLTTTTLSLAHHSSAALPARTSNTTITANTSDA
YLNASETTTTLSPSGSAVISTTTIATTPSKPTCDEKYANITVDYLYNKETKLFTAKLNVN
ENVECGNNTCTNNEVHNLTECKNASVSISHNSCTAPDKTLILDVPPGVEKFQLHDC
TQVEKADTTICLKWKNIETFTCDTQNIYRFQCGNMIFDNKEIKLENLEPEHEYKCDS
EILYNNHKFTNASKIIKTDGSPGEPQIIFCRSEAAHQGVITWNPPQRSFHNFTLCYIK
ETEKDCLNLDKNLIKYDLQNLKPYTKYVLSLHAYIIAKVQRNGSAAMCHFTTKSAPPS
QVWNMTVSMTSDNSMHVKCRPPRDRNGPHERYHLEVEAGNTLVRNESHKNCDF
RVKDLQYSTDYTFKAYFHNGDYPGEPFILHHSTSYNSK

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based



4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human PTPRC extracellular domain protein (26-577aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. PTPRC, also known as LCA or LY5 or B220, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.