

Recombinant Homo sapiens Receptor-type tyrosine-protein phosphatase C

Catalog No: #AP72743

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Package Size: #AP72743-1 20ug #AP72743-2 100ug #AP72743-3 1mg

Description

Product Name	Recombinant Homo sapiens Receptor-type tyrosine-protein phosphatase C
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:24-575aaSequence Info:Extracellular Domain
Other Names	Leukocyte common antigen ;L-CAT200; CD45
Accession No.	P08575
Uniprot	P08575
GeneID	5788;
Calculated MW	62.8 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	<p>QSPTPSPTGLTTAKMPSVPLSSDPLPHTHTTAFSPASTFERENDFSETTTSLSPDNTSTQVSPDSLNDNASAFNTT</p> <p>GVSSVQTPHLPHTHADSQTSPAGTDTQTFSGSAANAKLNPTPGSNAISDVPGERSTASTFPTDPVSPPLTTTSL</p> <p>AHSSAALPARTSNTTITANTSDAYLNASETTTTLSPSGSAVISTTTIATTPSKPTCDEKYANITVDYLYNKETKLF</p> <p>TAKLNVNENVECGNNTCTNNEVHNLTECKNASVSISHNSCTAPDKTLILDVPPGVEKFQLHDCTQVEKADTTIC</p> <p>LKWKNIEFTCDTQNIYRFQCGNMIFDNKEIKLENLEPEHEYKCDSEILYNNHKFTNASKIIKTDFGSPGEPQIIF</p> <p>CRSEAAHQGVITWNPQRFSHFNTLCYIKETEKDCLNLDKNLIKDYDLQNLKPYTKYVLSLHAYIIAKVQRNGSAA</p> <p>MCHFTTKSAPPSQVWNMTVSMSTSDNSMHVKCRPPRDRNGPHERYHLEVEAGNTLVRNESHKNCDFRVKDL</p> <p>QYSTDYTFKAYFHNGDYPGEPFILHHSTSYNSK</p>
Formulation	Tris-based buffer50% glycerol
Storage	<p>The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.</p> <p>Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.</p>

Background

Protein tyrosine-protein phosphatase required for T-cell activation through the antigen receptor. Acts as a positive regulator of T-cell coactivation upon binding to DPP4. The first PTPase domain has enzymatic activity, while the second one ses to affect the substrate specificity of the first one. Upon T-cell activation, recruits and dephosphorylates SKAP1 and FYN. Dephosphorylates LYN, and thereby modulates LYN activity .

References

Differential usage of three exons generates at least five different mRNAs encoding human leukocyte common antigens.Streuli M., Hall L.R., Saga Y., Schlossman S.F., Saito H.J. Exp. Med. 166:1548-1566(1987)Research Topic:Immunology

Note: This product is for in vitro research use only