

32-8354: Recombinant Human Lymphocyte Cytosolic Protein 2/LCP2 (C-6His, N-T7 tag)

Gene : LCP2
Gene ID : 3937
Uniprot ID : Q13094

Description

Source: E. coli.
MW :62.6kD.

Recombinant Human SLP-76 is produced by our E.coli expression system and the target gene encoding Met1-Pro533 is expressed with a T7 tag at the N-terminus, 6His tag at the C-terminus. Lymphocyte cytosolic protein 2(LCP2) contains a SAM domain and a SH2 domain. It is highly expressed in spleen, thymus and peripheral blood leukocytes, T-cell and monocytic cell lines, but expressed at lower level in B-cell lines. LCP2 was originally identified as a substrate of the ZAP-70 protein tyrosine kinase following T cell receptor (TCR) ligation in the leukemic T cell line Jurkat. It is phosphorylated after T-cell receptor activation by ZAP70, ITK and TXK, which leads to the up-regulation of Th1 preferred cytokine IL-2 during post-translational modification. Studies using LCP2-deficient T cell lines or mice have provided strong evidence that SLP-76 plays a positive role in promoting T cell development and activation as well as mast cell and platelet function.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, 20% glycerol, pH 8.5.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MASMTGGQQMGRGSMALRNVPFRSEVLGWDPDSLADYFKKLNYKDCEKAVKKYHIDGARFLNLTENDIQKFP
KLRVPILSKLSQEINKNEERRSIFTRKPQVPRFPEETESHEEDNGGWSSFEEDDYESPNDQDGEDDGDYESPN
EEEEAPVEDDADYEPPPSNDEEALQNSILPAKFPNSNSMYIDRPPSGKTPQPPVPPQRPMAALPPPAGRNH
SPLPPPQTNHEEPSRSRNHKTAKLPAPSIDRSTKPPLDRSLAPFDREPFTLGKKPPFSDKPSIPAGRSLGEHLPKIQ
KPPLPPTTERHERSSPLPGKKPPVPKHGWGPDRRENDEDDVHQRPLPQALLPMSSNTFSPRSTKPSMNPLPS
SHMPGAFSESNSFFPQSASLPYFSQGSPSNRPPIRAEGRNFPLPLPNKPRPPSPAEENSLNEEWYVSYITRPEAE
AALRKINQDGTFLVRDSSKTTTNPYVLMVLYKDKVYNIQIRYQKESQVYLLGTGLRGKEDFLSVSDIIDYFRKMP
LLIDGKNRGSRYQCTLTAAAGYPLEHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.