
Product Data Sheet

Product Name: LCP2 Human
 Cat. No.: GP23806
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Lymphocyte Cytosolic Protein 2; SH2 Domain-Containing Leukocyte Protein Of 76 KDa; 76 KDa Tyrosine Phosphoprotein; SLP-76 Tyrosine Phosphoprotein; SLP76; Lymphocyte Cytosolic Protein 2 (SH2 Domain Containing Leukocyte Protein Of 76kDa); Lymphocyte Cytosolic Protein 2 (SH2 Domain-Containing Leukocyte Protein Of 76kD); SH2 Domain-Containing Leukocyte Protein Of 76Kd; SLP-76; LCP2.		
Amino Acid Sequence	ADPMALRNVP FRSEVLGWDP DSLADYFKKL NYKDCEKAVK KYHIDGARFL NLTENDIQKF PKLRVPILSK LSQEINKNEE RRSIFTRKPQ VPRFPEETES HEEDNGGWSS FEEDDYESPND DDQDGEDDGD YESPNEEEEA PVEDDADYEP PPSNDEEALQ NSILPAKPPF NSNSMYIDRP PSGKTPQQPP VPPQRPMAL PPPPAGRNHS PLPPPQTNHE EPSRSRNHKT AKLPAPSIDR STKPPLDRSL APFDREPFTL GKKPPFSDKP SIPAGRSLGE HLPKIQKPPL PPTTERHERS SPLPGKKPPV PKHGWGPD RR ENEDDDVHQR PLPQPALLPM SSNTFPSRST KPSPMNPLPS SHMPGAFSES NSSFPQSASL PPYFSQGPN RPPIRAEGRN FPLPLPNKPR PPSPAEENS LNEEWYVSYI TRPEAEALR KINQDGTFLV RDSSKTTTTN PYVLMVLYKD KVYNIQIRYQ KESQVYLLGT GLRGKEDFLS VSDIIDYFRK MPLLLIDGKN RGSRYQCTLT HAAGYPHHHHHH		
Formulation	LCP2 protein solution (0.25mg/ml) contains 10% glycerol & Phosphate buffered saline (pH7.4).		

Introduction

LCP2 (lymphocyte cytosolic protein 2) is an intracellular docking protein with a single SH2 recognition domain. LCP2 is implicated in T-cell antigen receptor mediated signaling. Moreover, LCP2 is phosphorylated by ZAP70 which leads to NF-AT as well as IL2 gene activation. B Cell Linker Protein Deficiency is one of the associated diseases

Caution: Product has not been fully validated for medical applications. For research use only.

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with LCP2.

Stability

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.

Background

LCP2 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain (1-533 a.a.) and fused to a 6 aa His Tag at C-terminus containing a total of 542 amino acids and having a molecular mass of 61.2kDa. LCP2 shows multiple bands between 70-100kDa on SDS-PAGE, reducing conditions and purified by proprietary chromatographic techniques.

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