Recombinant human SLP-76/LCP2 protein

Catalog Number: ATGP3706

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
1-533aa

UniProt No.
Q13094

NCBI Accession No.
NP_005556

Alternative Names
Lymphocyte cytosolic protein 2, LCP2, SLP-76, SLP76

PRODUCT SPECIFICATION

Molecular Weight
61.2 kDa (542aa)

Concentration
0.25mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 90% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
LCP2, also known as lymphocyte cytosolic protein 2, is an intracellular docking protein with a single SH2 recognition domain. It is involved in T-cell antigen receptor mediated signaling. This protein is phosphorylated by ZAP70 leading to NF-AT and IL2 gene activation. Recombinant human LCP2 protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

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Amino acid Sequence

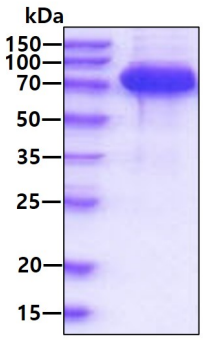
<ADP>MALRNVP FRSEVLGWDP DSLADYFKKL NYKDCEKAVK KYHIDGARFL NLTENDIQKF PKLRVPILSK LSQEINKNEE RRSIFTRKPQ VPRFPEETES HEEDNGGWSS FEEDDYESPN DDQDGEDDGD YESPNEEEEA PVEDDADYEP PPSNDEEALQ NSILPAKPFP NSNSMYIDRP PSGKTPQQPP VPPQRPMAAL PPPPAGRNHS PLPPPQTNHE EPSRSRNHKT AKLPAPSIDR STKPPLDRSL APFDREPFTL GKKPPFSDKP SIPAGRSLGE HLPKIQKPPL PPTTERHERS SPLPGKKPPV PKHGWGPDRR ENDEDDVHQR PLPQPALLPM SSNTFPSRST KPSPMNPLPS SHMPGAFSES NSSFPQSASL PPYFSQGPSN RPPIRAEGRN FPLPLPNKPR PPSPAEEENS LNEEWYVSYI TRPEAEAALR KINQDGTFLV RDSSKKTTTN PYVLMVLYKD KVYNIQIRYQ KESQVYLLGT GLRGKEDFLS VSDIIDYFRK MPLLLIDGKN RGSRYQCTLT HAAGYP<HHHH HH>

General References

Siggs OM., et al, (2015) J Immunol. 194:2587-2595.
Danzer C., et al, (2016) Eur J Immunol. 46:2121-2136.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.