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Datasheet for ABIN7318746 LCP2 Protein (His tag,T7 tag)

Overview

Quantity:	50 µg
Target:	LCP2
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This LCP2 protein is labelled with His tag,T7 tag.

Product Details

Purpose:	Recombinant Human LCP2 Protein (His Tag, N-T7 Tag)
Sequence:	Met 1-Pro533
Characteristics:	Recombinant Human Lymphocyte cytosolic protein 2/SH2 Domain-containing Leukocyte Protein of 76 kDa 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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	LCP2
Alternative Name:	LCP2 (LCP2 Products)
Background:	Background: 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

Target Details

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.

Synonym: Lymphocyte cytosolic protein 2,SH2 domain-containing leukocyte protein of 76 kDa,SLP-76 tyrosine phosphoprotein,SLP76,LCP2

Molecular Weight:	62.6 kDa
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UniProt:	Q13094
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Pathways:	TCR Signaling , Fc-epsilon Receptor Signaling Pathway
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Application Details

Restrictions:	For Research Use only
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Handling

Format:	Frozen, Liquid
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Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM Tris,150 mM NaCl,20 % glycerol, pH 8.5.
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Storage:	-20 °C
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Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
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