

Datasheet for ABIN7557284
SCIMP Protein (AA 1-150) (His tag)



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Overview

Quantity:	1 mg
Target:	SCIMP
Protein Characteristics:	AA 1-150
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SCIMP protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Scimp Protein expressed in mammalien cells.
Sequence:	MSWWRDNFWI ILAMSIIFIS LVLGLILYCV CRWQLRQGRN WEIAKPSKQD GRDEEKMYEN VLNSSPGQLP ALPPRGSPFP GD LAPQEAPR QPSAWYSSVK KVRNKKVFAI SGSTEPENDY DDVEIPATTE TQHSKTTFPW QAEVGLHSSF Sequence without tag. The proposed Purification- Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalien cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.

Product Details

- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	SCIMP
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Alternative Name:	Scimp (SCIMP Products)
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Background:	SLP adapter and CSK-interacting membrane protein,FUNCTION: Lipid tetraspanin-associated transmembrane adapter/mediator that acts as a scaffold for Src-family kinases and other signaling proteins in immune cells (PubMed:27288407, PubMed:28290451, PubMed:28098138). It is involved in major histocompatibility complex class II (MHC-II) signaling transduction in B cells, where it is required in generating the calcium response and enhancing ERK activity upon MHC-II stimulation (By similarity). In dendritic cells, it is involved in sustaining CLEC7A/DECTIN1 signaling after CLEC7A activation by fungal beta-glucans (PubMed:27288407). It also acts as an agonist-inducible signaling adapter for TLR1, TLR2, TLR3, TLR4, and TLR7 by selectively enabling the expression of pro-inflammatory cytokines IL6 and IL12B in macrophages and acting as a scaffold for phosphorylation of Toll-like receptors by Src-family kinases (PubMed:28098138). {ECO:0000250 UniProtKB:Q6UWF3, ECO:0000269 PubMed:27288407, ECO:0000269 PubMed:28098138, ECO:0000269 PubMed:28290451}.
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Molecular Weight:	17.1 kDa
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UniProt:	Q3UU41
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Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
