

Datasheet for ABIN7562684
SH2D1A Protein (AA 1-126) (His tag)



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Overview

Quantity:	1 mg
Target:	SH2D1A
Protein Characteristics:	AA 1-126
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SH2D1A protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Sh2d1a Protein expressed in mammalian cells.
Sequence:	MDAVTVYHGK ISRETGEKLL LATGLDGSYL LRDSVPGV YCLCVLYQGY IYTYRVSQTE TGSWSAETAP GVHKRFFRKV KNLISAFQKP DQGIVTPLYQ PVEKSSGRGP QAPTGRRDSD ICLNAP 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.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	SH2D1A
Alternative Name:	Sh2d1a (SH2D1A Products)
Background:	<p>SH2 domain-containing protein 1A (Signaling lymphocytic activation molecule-associated protein) (SLAM-associated protein) (T-cell signal transduction molecule SAP),FUNCTION: Cytoplasmic adapter regulating receptors of the signaling lymphocytic activation molecule (SLAM) family such as SLAMF1, CD244, LY9, CD84, SLAMF6 and SLAMF7. In SLAM signaling seems to cooperate with SH2D1B/EAT-2. Initially it has been proposed that association with SLAMF1 prevents SLAMF1 binding to inhibitory effectors including INPP5D/SHIP1 and PTPN11/SHP-2. However, by simultaneous interactions, recruits FYN which subsequently phosphorylates and activates SLAMF1 (By similarity). Positively regulates CD244/2B4- and CD84-mediated natural killer (NK) cell functions (PubMed:22683124). Can also promote CD48-, SLAMF6 -, LY9-, and SLAMF7-mediated NK cell activation (PubMed:19648922). In the context of NK cell-mediated cytotoxicity enhances conjugate formation with target cells (PubMed:22683124). May also regulate the activity of the neurotrophin receptors NTRK1, NTRK2 and NTRK3. {ECO:0000250 UniProtKB:B2RZ59, ECO:0000250 UniProtKB:O60880, ECO:0000269 PubMed:16223723, ECO:0000269 PubMed:19648922, ECO:0000269 PubMed:20962259, ECO:0000269 PubMed:22683124, ECO:0000305 PubMed:21219180}.</p>
Molecular Weight:	13.9 kDa

Target Details

UniProt: [O88890](#)

Pathways: [Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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
