

Datasheet for ABIN7557363  
**Sh2d1b2 Protein (AA 1-132) (His tag)**



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## Overview

Quantity:	1 mg
Target:	Sh2d1b2 (SH2D1B2)
Protein Characteristics:	AA 1-132
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Sh2d1b2 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Sh2d1b2 Protein expressed in mammalian cells.
Sequence:	MDLPYYHGCL TKRECEALLL KGGVDGNFLI RDESEVPGAL CLCVSFKKLV YNYRIFREKN GYYRIETEPS TPKTIFPNLE ELISKFKTPG QGMVVHLSNP IMRSGFCPGA RRLNLEANVY ENTDEEYVDV LP <b>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.</b>
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"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li></ul>

## Product Details

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- 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

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Target:	Sh2d1b2 (SH2D1B2)
Alternative Name:	Sh2d1b2 ( <a href="#">SH2D1B2 Products</a> )
Background:	SH2 domain-containing protein 1B2 (EAT-2-related transducer) (ERT) (EAT-2B),FUNCTION: Cytoplasmic adapter regulating receptors of the signaling lymphocytic activation molecule (SLAM) family. In SLAM signaling may cooperate with Sh2d1a/SAP. Plays a role in regulation of effector functions of natural killer (NK) cells by controlling signal transduction through Cd244/2b4. However, conflicting results are reported which may reflect the use of different strain backgrounds. Proposed to act as an inhibitor of Cd244-mediated NK cell function including cytotoxicity and IFN-gamma production, the latter found also by triggering Klra4 and Klrk1 next to Cd244 (PubMed:16127454). Seems to positively regulate Cd244- and Cd84-dependent NK cell functions implicating Cd244-mediated phosphorylation of Vav1 (PubMed:20962259). {ECO:0000269 PubMed:16127454, ECO:0000269 PubMed:20962259}.
Molecular Weight:	15.0 kDa
UniProt:	<a href="#">Q45HK4</a>

## Application Details

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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.
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## Application Details

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Restrictions: For Research Use only

## Handling

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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