

Datasheet for ABIN755519
SH2B2 Protein (AA 1-632) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SH2B2
Protein Characteristics:	AA 1-632
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SH2B2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SH2B2 Protein expressed in mammalian cells.
Sequence:	MNGAGPGPAA AAPVPVPPVPV PDWRQFCELV AQAAAVDFAH KFCRFLRDNV AYDTPDAGAS FSRHFAANFL DVFGEEVRRV LVAGPTTRGA AVSAEAMEPE LADTSALKAA PYGHSRSED VSTHAATKAR VRKGFSLRNM SLCVVDGVRD MWHRRASPEP DAAAAPRTAE PRDKWTRRLR LSRTLAAKVE LVDIQREGAL RFMVADDDAAA GSGGSAQWQK CRRLLRRAVA EERFRLEFFV PPKASRPKVS IPLSAIEVR TTMPLEMEPEK DNTFVLKVEN GAIEYLETID SLQKHSWVAD IQGCVDPGDS EEDTELSECTR GGCLASRVAS CCELLTDAV DLPRPPETTA VGAVVTAPHS RGRDAVRESL IHVPLETFLQ TLESPGGSGS DSNNTGEQGA ETDPEAEPEL ELSDYPWFHG TLRVKAAQL VLAGGPRNHG LFVIRQSETR PGEYVLTFFN QGKAKHLRLS LNHHGQCHVQ HLWFQSVLDM LRHFHTHPIV LESGGSADIT LRSYVRAQDP PPEPGTPPPA APASPACWSD SPGQHYFSSL AAAACPPASP SDAAGASSSS ASSSSAASGP APPRPVEGQL SARSRNSAE RLLEAVAATA AEEPPEAAPG RARAVENTQYS FY Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity

Product Details

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:

- 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.
- 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: SH2B2

Alternative Name: SH2B2 ([SH2B2 Products](#))

Background: SH2B adapter protein 2 (Adapter protein with pleckstrin homology and Src homology 2 domains) (SH2 and PH domain-containing adapter protein APS),FUNCTION: Adapter protein for several members of the tyrosine kinase receptor family. Involved in multiple signaling pathways. May be involved in coupling from immunoreceptor to Ras signaling. Acts as a negative regulator of cytokine signaling in collaboration with CBL. Binds to EPOR and suppresses EPO-induced STAT5 activation, possibly through a masking effect on STAT5 docking sites in EPOR. Suppresses PDGF-induced mitogenesis. May induce cytoskeletal reorganization via interaction with VAV3. {ECO:0000269|PubMed:10374881, ECO:0000269|PubMed:12400014, ECO:0000269|PubMed:15378031,

Target Details

ECO:0000269|PubMed:9989826}.

Molecular Weight: 67.7 kDa

UniProt: [O14492](#)

Pathways: [Carbohydrate Homeostasis, Brown Fat Cell Differentiation](#)

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