

Datasheet for ABIN7555624
SH3PXD2B Protein (AA 1-911) (His tag)



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Overview

Quantity:	1 mg
Target:	SH3PXD2B
Protein Characteristics:	AA 1-911
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SH3PXD2B protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat SH3PXD2B Protein expressed in mammalian cells.
Sequence:	MPPRRSIVEV KVLVDVQKRRV PNKHVYVIIR VTWSSGSTEA IYRRYSKFFD LQMQLDKFP MEGGQKDPKQ RIIFPLPGKI LFRRSHIRDV AVKRLIPIDE YCKALIQLPP YISQCDEVLQ FFETRPEDLN PPKEEHIGKK KSGGDQTSVD PMVLEQYVVV ANYQKQESSE ISLSVGQVVD IIEKNESGWW FVSTAEQGW VPATCLEGQD GVQDEFSLQP EEEKYTVIY PYTARDQDEM NLERGAVVEV IQKNLEGWWK IRYQGKEGWA PASYLKKNNG EPLPPKPGPG SPSHPGALDL DGVSRQQNAV GREKELLSSQ RDGRFEGRPV PDGDAKQRSP KMRQRPPRR DMTIPRGLNL PKPIPPQVE EYYTIAEFQ TTIPDGISFQ AGLKVEVIEK NLSGWWYIQI EDKEGWAPAT FIDKYKTSN ASRPNFLAPL PHEVTQLRLG EAALENNTG SEATGPSRPL PDAPHGVMDS GLPWSKDWKG SKDVLKASS DMSASAGYEE ISDPDMEEKP SLPPRKESII KSEGELLERE RERQRTEQLR GPTPKPPGVI LPMMPAKHIP PARDSRRPEP KPDKSRLFQL KNDMGLECGH KVLAKEVKKP NLRPISKSKT DLPEEKPDAT PQNPFLKSRP QVRPKPAPSP KTEPPQGEDQ

Product Details

VDICNLRSKL RPAKSQDKSL LDGEGPQAVG GQDVAFSRSF LPGEGPGRAQ DRTGKQDGLS
PKEISCRAPP RPAKTTDPVS KSVPVPLQEA PQQRPVPPR RPPPPKKTSS SSRPLPEVRG
PQCEGHESRA APTPGRALLV PPKAKPFLSN SLGGQDDTRG KGSLGPWGTG KIGENREKAA
AASVPNADGL KDSLYVAVAD FEGDKDTSSF QEGTVFEVRE KNSSGWWFCQ VLSGAPSWEG
WIPSNYLRKK P **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:

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, Western Blot

Grade:

custom-made

Target Details

Target:

SH3PXD2B

Alternative Name:

SH3PXD2B ([SH3PXD2B Products](#))

Background:

SH3 and PX domain-containing protein 2B (Adapter protein HOFI) (Factor for adipocyte differentiation 49) (Tyrosine kinase substrate with four SH3 domains),FUNCTION: Adapter protein involved in invadopodia and podosome formation and extracellular matrix degradation. Binds matrix metalloproteinases (ADAMs), NADPH oxidases (NOXs) and phosphoinositides. Acts as an organizer protein that allows NOX1- or NOX3-dependent reactive oxygen species (ROS) generation and ROS localization. Plays a role in mitotic clonal expansion during the

Target Details

immediate early stage of adipocyte differentiation (By similarity). {ECO:0000250, ECO:0000269|PubMed:12615925, ECO:0000269|PubMed:19755710, ECO:0000269|PubMed:20609497}.

Molecular Weight: 101.6 kDa

UniProt: [A1X283](#)

Pathways: [Positive Regulation of fat Cell Differentiation](#)

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