

Datasheet for ABIN7564637 Shootin-1 (SHTN1) (AA 1-631) protein (His tag)



Overview

Quantity:	1 mg
Target:	Shootin-1 (SHTN1)
Protein Characteristics:	AA 1-631
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Shtn1 Protein expressed in mammalien cells.
Sequence:	MNSSDEEKQL QLITSLKEQA IGEYEDLRAE NQKTKEKCDK IRQERDEAVK KLEEFQKISH
	MVIEEVNFMQ NHLEIEKTCR ESAEALATKL NKENKTLKRI SMLYMAKLGP DVITEEINID
	DDDPATDTDA AAETCVSVQC QKQIKELRDQ IVSVQEEKKV LAIELENLKS KLGEVMEEVN
	KVKQEKAVLN SEVLEQRKVL EKCNRVSMLA VEEYEELQVN LELEKDLRKK AESFAQEMFI
	EQNKLKRQSH LLLQSSLPDQ QLLKALDENA KLIQQLEEER IQHQKKVKEL EERLENEALH
	KEIHNLRQQL ELLEDDKREL EQKYQSSEEK ARNLKHSVDE LQKRVNQSEN SVPPPPPPPP
	PLPPPPPNPI RSLMSMIRKR SHPSGNSAKK EKTTQPETAE EVTDLKRQAV EEMMDRIKKG
	VHLRPVNQTA RPKAKPDSLK GSESAVDELK GILGTLNKST SSRSLKSLGP ENSETELERI
	LRRRKLTAEA DSSSPTGILA TSESKSMPVL GSVSSVTKSA LNKKTLEAEF NNPCPLTPEP
	GEGPRKLEGC TNPKVTFQPP SKGGYRRKCV GSENQAEPVV VLDPVSTHEP QTKDQAAEKD
	PTQFEEEGGE TQPEYKEDSG GKTGETDSSN C Sequence without tag. The proposed

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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.
Key Benefits:
 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. 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.
> 90 % as determined by Bis-Tris Page, Western Blot
custom-made
Shootin-1 (SHTN1)
Shtn1 (SHTN1 Products)
Shootin-1 (Shootin1),FUNCTION: Involved in the generation of internal asymmetric signals required for neuronal polarization and neurite outgrowth (PubMed:23864681). Mediates netrin- 1-induced F-actin-substrate coupling or 'clutch engagement' within the axon growth cone through activation of CDC42, RAC1 and PAK1-dependent signaling pathway, thereby converting

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migration of cortical neurons from the ventricular zone toward the superficial layer of the

Target Details	
	neocortex (PubMed:23864681). Involved in the accumulation of phosphatidylinositol 3,4,5- trisphosphate (PIP3) in the growth cone of primary hippocampal neurons (PubMed:23864681). {ECO:0000250 UniProtKB:A0MZ67, ECO:0000269 PubMed:23864681}.
Molecular Weight:	71.3 kDa
UniProt:	Q8K2Q9
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