Datasheet for ABIN7564022

SH3RF1 Protein (AA 1-892) (His tag)

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Overview

Quantity:	1 mg
Target:	SH3RF1
Protein Characteristics:	AA 1-892
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SH3RF1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Sh3rf1 Protein expressed in mammalien cells.
Sequence:	MDESALLDLL ECPVCLERLD ASAKVLPCQH TFCKRCLLGI VGSRNELRCP ECRTLVGSGV DELPSNILLV RLLDGIKQRP WKPGPGGGGG TTCTNTLRAQ GSTVVNCGSK DLQSSQCGQQ PRVQAWSPPV RGIPQLPCAK ALYNYEGKEP GDLKFSKGDI IILRRQVDEN WYHGEVSGVH GFFPTNFVQI IKPLPQPPPQ CKALYDFEVK DKEADKDCLP FAKDDVLTVI RRVDENWAEG MLADKIGIFP ISYVEFNSAA KQLIEWDKPP VPGVDTAECP SATAQSTSAS KHPDTKKNTR KRHSFTSLTM ANKSSQGSQN RHSMEISPPV LISSSNPTAA ARISELSGLS CSAPSQVHIS TTGLIVTPPP SSPVTTGPAF TFPSDVPYQA ALGSMNPPLP PPPLLAATVL ASTPSGATAA VAAAAAAAAA AGMGPRPVMG SSEQIAHLRP QTRPSVYVAI YPYTPRKEDE LELRKGEMFL VFERCQDGWY KGTSMHTSKI GVFPGNYVAP VTRAVTNASQ AKVSMSTAGQ ASRGVTMVSP STAGGPTQKP QGNGVAGNPS VVPTAVVSAA HIQTSPQAKV LLHMSGQMTV NQARNAVRTV AAHSQERPTA AVTPIQVQNA ACLGPASVGL PHHSLASQPL PPMAGPAAHG AAVSISRTNA

Product Details

	PMACAAGASL ASPNMTSAML ETEPSGRTVT ILPGLPTSPE SAASACGNSS AGKPDKDSKK EKKGLLKLLS GASTKRKPRV SPPASPTLDV ELGAGEAPLQ GAVGPELPLG GSHGRVGSCP TDGDGPVAAG TAALAQDAFH RKTSSLDSAV PIAPPPRQAC SSLGPVMNEA RPVVCERHRV VVSYPPQSEA ELELKEGDIV FVHKKREDGW FKGTLQRNGK TGLFPGSFVE NI **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 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.
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	SH3RF1
Alternative Name:	Sh3rf1 (SH3RF1 Products)
Background:	E3 ubiquitin-protein ligase SH3RF1 (EC 2.3.2.27) (Plenty of SH3s) (Protein POSH) (RING-type E3 ubiquitin transferase SH3RF1) (SH3 domain-containing RING finger protein 1) (SH3 multiple domains protein 2),FUNCTION: Has E3 ubiquitin-protein ligase activity. In the absence of an external substrate, it can catalyze self-ubiquitination. Stimulates ubiquitination of potassium channel KCNJ1, enhancing its dynamin-dependent and clathrin-independent endocytosis (By similarity). Acts as a scaffold protein that coordinates with MAPK8IP1/JIP1 in organizing

Target Details

	different components of the JNK pathway, including RAC1 or RAC2, MAP3K11/MLK3 or MAP3K7/TAK1, MAP2K7/MKK7, MAPK8/JNK1 and/or MAPK9/JNK2 into a functional multiprotein complex to ensure the effective activation of the JNK signaling pathway. Regulates the differentiation of CD4(+) and CD8(+) T-cells and promotes T-helper 1 (Th1) cell differentiation. Regulates the activation of MAPK8/JNK1 and MAPK9/JNK2 in CD4(+) T-cells and the activation of MAPK8/JNK1 in CD8(+) T-cells (PubMed:23963642, PubMed:27084103, PubMed:9482736). Plays a crucial role in the migration of neocortical neurons in the developing brain. Controls proper cortical neuronal migration and the formation of proximal cytoplasmic dilation in the leading process (PCDLP) in migratory neocortical neurons by regulating the proper localization of activated RAC1 and F-actin assembly (PubMed:22959435). {ECO:0000250|UniProtKB:Q7Z6J0, ECO:0000269|PubMed:22959435, ECO:0000269|PubMed:23963642, ECO:0000269|PubMed:27084103, ECO:0000269|PubMed:9482736}.
Molecular Weight:	93.4 kDa
UniProt:	Q69ZI1

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