Datasheet for ABIN7563848

SSH2 Protein (AA 1-1423) (His tag)

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Overview

Quantity:	1 mg
Target:	SSH2
Protein Characteristics:	AA 1-1423
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SSH2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Ssh2 Protein expressed in mammalian cells.
Sequence:	MALVTVQRSP TPSTTSSPCA SEADSGEEEC RSQPRSISES FLTVKGAALF LPRGNGSSTP RVSHRRNKHA GDLQQHLQAM FILLRPEDNI RLAVRLESTY QNRTRYMVVV STNGRQDTEE SIVLGMDFSS NDSSTCTMGL VLPLWSDTLI HLDGDGGFSV STDNRVHIFK PVSVQAMWSA LQSLHKACEV ARMHNYYPGS LFLTWVSYYE SHINSDQSSV NEWNAMQDVQ SHRPDSPALF TDIPTERERT ERLIKTKLRE IMMQKDLENI TSKEIRTELE MQMVCNLREF KEFIDNEMIV ILGQMDSPTQ IFEHVFLGSE WNASNLEDLQ NRGVRYILNV TREIDNFFPG VFEYHNIRVY DEEATDLLAY WNDTYKFISK AKKHGSKCLV HCKMGVSRSA STVIAYAMKE YGWNLDRAYD YVKERRTVTK PNPSFMRQLE EYQGILLASK QRHNKLWRSH SDSDLSDHHE PICKPGLELN KKEMTTSADQ IAEVKTVENL AAMPTVFMEH VVPQDANQKG LHTKERVICL EFSSQEFRAG QIEDELNLND INGCSSGCCL SESKLPLDNC HASKALLQPG QAPDIANKFP DLAVEDLETD ALKADMNVHL LPMEELTSRL KDLPMSPDLE SPSPQASCQA AISDFSTDRI DFFSALEKFV ELSQETRSRS FSHSRIEELG GGRSEGCRLS VIEVAASEMA ADDQRSSSLS NTPHASEESS

	VDEDQSKAIT ELVSPDIIMQ SHSENAISVK EIVTEIESIS QGVGQVQLKG DILSNPCHTP KKSTIHELPL ERVPAPESKP GHWEQDESFC SVQPELARDS GKCAPEEGCL TTHSSTADLE EEEPVEGEHD WGPGMHSGAK WCPGSVRRAT LEFEERLRQE QENHGTASAG PTLSNRKNSK NDSSVADLMP KWKSDETTPE HSFFLKEAEP SKGKGKCSGS EAGSLSHCER NPTMPDCELL EHHSLPAPQD CLGSDSRSKK QEGDLKKQRA VVPNQECDTQ AILLPLPKKI EIIEYTPTVT SLGHTEPGGE ATPSKEGEKQ GLRKVKMEQS ITMFCALDEN LNRTLEPSQV SLHPQVLPLP HSSSECDRPA DPNPMLSSPQ DKGDCPSTPF KTAAPFVSCS TQGASFSLDY LLPHSVVHLE GCTEQSSATD NELSPEQASW EDSRGHFLSS GSGMAHTSSP LTNEDLSLIN KLGDSVGVLQ KKLDPSPEAC RIPHSSSSEN IRDLSHSRGV VKEHAKEIES RVIFQAGFSK TSQMKRSASL AKLGYLDLCK DYLPDRELVS SESPHLKLLQ PFLRTDSGMH ALMAHEPSES AGAQQNPQPT KYSVEQLKTS ECIVQSKPVE RPSVQYAKEF GYSQQCLLPK ARPELTSSEG GLPLLQTQGL QYTGPSPGLA VAPRQQHGRT HPLRRLKRAN DKKRTTNPFY NTM **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.**
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:	SSH2
Alternative Name:	Ssh2 (SSH2 Products)
Background:	Protein phosphatase Slingshot homolog 2 (EC 3.1.3.16) (EC 3.1.3.48) (SSH-like protein 2) (SSH-2L) (mSSH-2L),FUNCTION: Protein phosphatase which regulates actin filament dynamics. Dephosphorylates and activates the actin binding/depolymerizing factor cofilin, which subsequently binds to actin filaments and stimulates their disassembly. Inhibitory phosphorylation of cofilin is mediated by LIMK1, which may also be dephosphorylated and inactivated by this protein (PubMed:14531860). Required for spermatogenesis (PubMed:36942942). Involved in acrosome biogenesis, probably by regulating cofilin-mediated actin cytoskeleton remodeling during proacrosomal vesicle fusion and/or Golgi to perinuclear vesicle trafficking (PubMed:36942942). {ECO:0000269|PubMed:14531860, ECO:0000269|PubMed:36942942}.
Molecular Weight:	158.2 kDa
UniProt:	Q5SW75

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