

Datasheet for ABIN7564306

SHANK2 Protein (AA 1-1476) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SHANK2
Protein Characteristics:	AA 1-1476
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SHANK2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Shank2 Protein expressed in mammalian cells.
Sequence:	MKSLNAFTK KEVPFREAPA YSNRRRRPPN TLAAPRVLLR SNSDNNLNAG APEWAVCSAA TSHRSLSPQL LQQTSPKPDG ATKSLGSYTP GPRSRSPSLN RLGGAEDGK RTQPHWHVGS PFTPGANKDS LSTFEYPGPR RKLYSAPVGR LFVAVKPYQP QVDGEIPLHR GDRVKVLSIG EGGFWEGSAR GHIGWFPAEC VEEVQCKPRD SQAETRADRS KKLFRHYTVG SYDSFDAASD CIIEDKTVVL QKKDNEGFGF VLRGAKADTP IEEFTPTPAF PALQYLESVD EGGVAWQAGL RTGDFLIEVN NENVVKVGR QVNMIRQGG NHLILKVVTV TRNLDPDDTA RKKAPPPPKR APTTALTIRS KSMTAELEEL GLSLVDKASV RKKKDKPEEI VPASKPSRTA ENVAIESRVA TIKQRPTSRC FPAASDVNSV YERQGIAMT PTVPGSPKGP FLGLPRGTMR RQKSIDSRI LSGITEEERQ FLAPPMLKFT RLSMPDTSE DIPPPQSV PPSPPPSPTT YNCPRSPTPR VYGTIKPAFN QNPVAVKVP ATRSDTVATM MREKGMFYRR ELDRFSLDSE DVYSRSPAPQ AAFRTKRGQM PENPYSEVGK IASKAVYVPA KPARRKGVLV KQSNVEDSPE KTCSIPIPTI

IVKEPSTSSS GKSSQGSSME IDPQATEPGQ LRPDDSLTVS SPFAAAIAGA VRDREKRLEA
RRNSPAFLST DLGDEDVGLG PPAPRMQASK FPEEGGFGDE DETEQPLLPT PGAAPRELEN
HFLGGGEAGA QGEAGGPLSS TSKAKGPESG PAAPLKSSSP AGPENYVHPL TGRLLDPSSP
LALALSARDR AMQESQQGHK GEAPKADLNK PLYIDTKMRP SVESGFPPVT RQNTRGPLRR
QETENKYETD LGKDRRADDK KNMLINIVDT AQQKSAGLLM VHTVDVPMAG PPLEEEEEDRE
DGDTPKDHSP STVPEGVPKT EGALQISAAP EPAVAPGRTI VAAGSVEEAV ILPFRIPPPP
LASVDLDEDF LFTEPLPPPL EFANSFDIPD DRAASVPALA DLVKQKKNDT SQPPTLNSSQ
PANSTDSKKP AGISNCLPSS FLPPPEFDA VTDSGIEEVD SRSSSDHHLE TTSTISTVSS
ISTLSSEGGE SMDTCTVYAD GQAFVVDKPP VPPKPKMKPI VHKSALYQD TLPEEDTDGF
VIPPPAPPPP PGSAQAGVAK VIQPRTSKLW GDVPEVKSPI LSGPKANVIS ELNSILQQMN
RGKSVKPGEG LELPVGAKSA NLAPRSPEVM STVSGTRSTT VTFTVRPGTS QPITLQSRPP
DYESRTSGPR RAPSPVVSPT ELSKEILPTP PPPSATAASP SPTLSDVFSL PSQSPAGDLF
GLNPAGRSRS PPSILQQPI SNKPFTTKPV HLWTKPDVAD WLESLNLGEH KETFMDNEID
GSHLPNLQKE DLIDLGVTRV GHRMNIERAL KQLLDR **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:	SHANK2
Alternative Name:	Shank2 (SHANK2 Products)
Background:	SH3 and multiple ankyrin repeat domains protein 2 (Shank2) (Cortactin-binding protein 1) (CortBP1),FUNCTION: Seems to be an adapter protein in the postsynaptic density (PSD) of excitatory synapses that interconnects receptors of the postsynaptic membrane including NMDA-type and metabotropic glutamate receptors, and the actin-based cytoskeleton. May play a role in the structural and functional organization of the dendritic spine and synaptic junction (By similarity). {ECO:0000250}.
Molecular Weight:	159.0 kDa
UniProt:	Q80Z38

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