

Datasheet for ABIN7561911

CAMSAP1 Protein (AA 1-1581) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	CAMSAP1
Protein Characteristics:	AA 1-1581
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CAMSAP1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Camsap1 Protein expressed in mammalian cells.
Sequence:	MVDAGGRCAA EGWRRMEAPP EGADLVPLDR YDAARAKIAA NLQWICAKAY GLDNIPEDLR DPFYIDQYEQ EHIKPPVIKL LLSSELYCRV CSLILKGDQV ATLQGHQSVI QALSRKGIYV MESDDTPVTD ADLSQAPIKM SGHMAMVDAL MMAYTVEMIS IEKVVASVKR FSTFSASKEL PYDLEDAMVF WINKVNLKMR EITEKEVKLK QQPLESAPAHQ KVRYYRREHLS ARQSPYFPLL EDLMRDGSDG AALLAVVHY CPEQMKLDDI CLKEVPSMAD SLYNIRLLRE FSNEHLNKC YLTLEDMLYA PLVLKPNVMV FIAELFWWFE NVKPDFVQPR DIQELKDAKT VLQKQSSRPP VPISNATKRS FLGSPAAMSP ADQPPSTQPL AEGSHRYHLH SEEPECLGKG ASTFSPSHPL LPLRQKQKV SQTEEIPDQR HRSNSLTRVD GQPRGAIGAW PDKKNRPVSQ PTSFALHHAA SCDVPSSGD SVSLARSISK DSLASNIHL TPQNQPHPSA GKSNGKSLLS NVNIEDEDEE LVAIIRTDVS PPSPQMPTS PQAPGLVASI RSPQRQADTL ESKPDSFYLE PLMPAVLRPA KEKQITTKED ERGEGRPRTI MAKRPSEGSQ PMVRKKVSGG HGSRDLNRTF TPIPCSEFAA

SIDLAEVGPQ SAEATGEGQP LALGRFDTLP QGQAADGFFL HVGRAEEDEG RWWVGSQSPS
SHDSEPWTIL RQDSDSDVVD VEDTEQDFIG EDHPVVIPRY AGEESAKLQ EDMKVKEHED
KDDASGRSSP CLSTTSQLSS MSMASGSVKM TSFAERKLQR LNSCETKSST SSSQKTPDA
SESCAPLTT WRQKREQSPG RHSKDPASLL ASELVQLHMQ LEEKRRAIEA QKKKMEALSA
RQRLKLGKAA FLHVVKKGKA DGAPQPLRPE HFTKEFTQHN GEDLDDGTCK TEGFLVKEEQ
RDLSDAQDVA FVQLHKPRDP AALHDGEKHR MISTALLED S VGEVDVNECD LSIEKLNETI
STLQQAILKI SQQQEQLLMK SPTVPTPGTK NNCQDQKIKI PVHFVEPLSP TGVPGHRKPP
RLGQGRNSRS GRPAELKVPK DRQQGCSRSK TPTPSVETLP QSRSLPPSTH PRSPSDPGGE
LPEKCLFDSY RLHDESNHRT FVLSSCKDAN IVSEQVNFKE GLDTSVKEAG LSSSTITGKE
HTPVEEPLRS KASLIEVDLS DLKAPDEGE VVGHESSVEL GGDSDQKPGV GFFFKDEQKA
EDELAKKRAA FLLKQQRKAE EARARKQLE AEVELKRDEA RRKAEDRLR KEEEEKARREL
IKQEYLRRKQ QQALEEQGLG KPKSKPKKPR PKSVHREESY SDSGTKCSST HNLSQTHSGS
SLSLASAATT EPESVYSGGT PSHRVESLEA LPILSRNPSR STDRDWETAS AASSLASVAE
YTGPKLKEP SSKSNKPIIH NAISHCCLAG KVNEPHKNSI LELEKCDANH YILFRDAGC
QFRALYCYQP DTEEIYKLTG TGPKSITKKM IDKLYKYSSD RKQFNLIPAK TMSVSVDALE
IHNHLWQPKR PTVPKKTQTR K **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:	CAMSAP1
Alternative Name:	Camsap1 (CAMSAP1 Products)
Background:	Calmodulin-regulated spectrin-associated protein 1,FUNCTION: Key microtubule-organizing protein that specifically binds the minus-end of non-centrosomal microtubules and regulates their dynamics and organization. Specifically recognizes growing microtubule minus-ends and stabilizes microtubules. Acts on free microtubule minus-ends that are not capped by microtubule-nucleating proteins or other factors and protects microtubule minus-ends from depolymerization. In contrast to CAMSAP2 and CAMSAP3, tracks along the growing tips of minus-end microtubules without significantly affecting the polymerization rate: binds at the very tip of the microtubules minus-end and acts as a minus-end tracking protein (-TIP) that dissociates from microtubules after allowing tubulin incorporation. Through interaction with spectrin may regulate neurite outgrowth. {ECO:0000250 UniProtKB:Q5T5Y3}.
Molecular Weight:	175.9 kDa
UniProt:	A2AHC3

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