

Datasheet for ABIN7552800

CAPRIN2 Protein (AA 1-1127) (His tag)



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Overview

Quantity:	1 mg
Target:	CAPRIN2
Protein Characteristics:	AA 1-1127
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CAPRIN2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat CAPRIN2 Protein expressed in mammalian cells.
Sequence:	MEVQVSQASL GFELTSVEKS LREWSRLSRE VIAWLCPSPP NFILNFPPPP SASSVSMVQL FSSPFGYQSP SGHSEEEREG NMKSAKPQVN HSQHGESQRA LSPLQSTLSS AASPSQAYET YIENGLICKL HKIRNIEKKK LKLEDYKDRL KSGEHLNPDQ LEAVEKYEEV LHNLEFAKEL QKTFSGLSLD LLKAQKKAQR REHMLKLEAE KKKLRITLQV QYVLQNLQTE HVQKDFKGGL NGAVYLPKE LDYLIKFSKL TPERNESLS VEDQMEQSSL YFWDLLEGSE KAVVGTTYKH LKDLLSKLLN SGYFESIPVP KNAKEKEVPL EEMLIQSEK KTQLSKTESV KESESLMEFA QPEIQQEFL NRRYMTEVDY SNKQGEEQPW EADYARKPNL PKRWDMLTEP DGQEKKQESF KSWEASGKHQ EVSKPAVSLE QRKQDTSKLR STLPEEQKKQ EISKSKSPSPS QWKQDTPKSK AGYVQEEQKK QETPKLWPVQ LQKEQDPKKQ TPKSWTPSMQ SEQNTTKSWT TPMCEEQDSK QPETPKSWEN NVESQKHS�T SQSQISPKSW GVATASLIPN DQLLPRKLNT EPKDVPKPVH QPVGSSSTLP KDPVLRKEKL QDLMTQIQGT CNFMQESVLD FDKPSSAIPT SQPPSATPGS

Product Details

PVASKEQNLS SQSDFLQEPL QATSSPVTC SNACLVTTDQ ASSGSETEFM TSETPEAAIP
PGKQPSSLAS PNPPMAKGSE QGFQSPASS SSVTINTAPF QAMQTVFNVN APLPPRKEQE
IKESPYPGY NQSFTTASTQ TPPQCQLPSI HVEQTVHSQE TAANYHPDGT IQVSNGLAF
YPAQTNVFP RPTQPFVNSRG SVRGCTRGR LITNSYRSPG GYKGFDTYRG LPSISNGNYS
QLQFQAREYS GAPYSQRDNF QQCYKRGGS GGPRANSRAG WSDSSQVSSP ERDNETFNNG
DSGQGDSRSM TPVDVPVTNP AATILPVHVV PLPQQMRVAF SAARTSNLAP GTLDQPIVFD
LLLNNLGETF DLQLGRFNCP VNGTYVFIH MLKLAVNVPL YVNLMKNEEV LVSAYANDGA
PDHETASNHA ILQLFQGDQI WLRLHRGAIY GSSWKYSTFS GYLLYQD **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:

CAPRIN2

Alternative Name:

CAPRIN2 ([CAPRIN2 Products](#))

Background:

Caprin-2 (C1q domain-containing protein 1) (Cytoplasmic activation/proliferation-associated protein 2) (Gastric cancer multidrug resistance-associated protein) (Protein EEG-1) (RNA

Target Details

granule protein 140),FUNCTION: Promotes phosphorylation of the Wnt coreceptor LRP6, leading to increased activity of the canonical Wnt signaling pathway (PubMed:18762581). Facilitates constitutive LRP6 phosphorylation by CDK14/CCNY during G2/M stage of the cell cycle, which may potentiate cells for Wnt signaling (PubMed:27821587). May regulate the transport and translation of mRNAs, modulating for instance the expression of proteins involved in synaptic plasticity in neurons (By similarity). Involved in regulation of growth as erythroblasts shift from a highly proliferative state towards their terminal phase of differentiation (PubMed:14593112). May be involved in apoptosis (PubMed:14593112). {ECO:0000250|UniProtKB:Q05A80, ECO:0000269|PubMed:14593112, ECO:0000269|PubMed:18762581, ECO:0000269|PubMed:27821587}.

Molecular Weight: 125.9 kDa

UniProt: [Q6IMN6](#)

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