

Datasheet for ABIN7563600

**CAPRIN2 Protein (AA 1-1031) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	CAPRIN2
Protein Characteristics:	AA 1-1031
Origin:	Mouse
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 mammalien cells.
Sequence:	MKSAKSQVNIQ DQQGENQRAL SPLQSTLSSA ASPSQAYETY IDNGLICLKH KIRNIEKKKL KLEDYKDRLEK NGEQLNPDQL EAVEKYEEVL HNLEFAKELQ KTFSALSQDL LKAQKKAQRR EHMLKLETEK KKLRTMLIQIY YVLQNLQTEH VQKDFKGGGLN GAMYLPSKEL DYLIKFSKLT CPERNESLSV EDQMEQSSLY FWDLLEGSEK TVVGTTYKHV KDLLSKLLHS GYFESVPVLR NSKEKAEVL MQSEMKKQLL KSESIKESL LTELQPEIQ PQEFLNRRYM TEVKFSRKQE NVEQSWEADY ARKPSLLKCV NTLPEPDGQE KKKESLESWK SSLKTQEVSK PVSLSVQGKL RPTLQEEQKQ QVPITPVSQW KPESPKSKVG SPQEEQNVQE TPKPWVVSQ KEQDPKCLPP GSWAVSVQSE QSGSRSWTTP VCREQASVQP GTPVSWENNA ENQKHSVLPQ SQISLKSWSGA ASAGLLPNGQ VLTRKLNVEP KDVPKPLPQP IDSSSALPKD PVLKREKLQD LMSQIQGTYN FMQESVLDLFD KPSSAIPSSQ PPSACPVSTV SAEQNLSNQS DFLQEPSQAS SPVTCSSNAC LVTDDQASSG SETEFTTSET PEMVVSPPCKP KPASALASPN PPLSKSFQLP PASGSSEAIS

## Product Details

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TAPFQAMQTV FNVNAPLPPR KEQEMKEPPY SSGYNQNFTS SSTQTVSQCQ LPAVHIDQTT  
QPPETGAGYH PDGTVQVSNG SLAFYPAPTS MFPRPAQPF I SSRGTLRGCS HGGRLLMSSY  
QSPGGYKGF D SYRGLPSVSS GNYSQLQLQA REYSGTAYSQ RDNFQQCYKR SGTSSGLQAN  
SRAGWSDSSQ VSSPERDSET FNSGDSGLGD SRSMTVPDVP VTSPAAAILP VHIYPLPQQM  
RVAFSAARTS NLAPGTLQDP IVFDLLNLL GETFDLQLGR FNCPVNGTYV FIFHMLKLAV  
NVPLYVNLMK NEEVLVSAYA NDGAPDHETA SNHAVLQLLQ GDQIWLRLHR GAIYGSSWKY  
STFSGYLLYQ D **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.**

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### 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.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

CAPRIN2

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### Alternative Name:

Caprin2 ([CAPRIN2 Products](#))

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### Background:

Caprin-2 (C1q domain-containing protein 1) (Cytoplasmic activation/proliferation-associated protein 2) (RNA granule protein 140),FUNCTION: Promotes phosphorylation of the Wnt coreceptor LRP6, leading to increased activity of the canonical Wnt signaling pathway (By similarity). Facilitates constitutive LRP6 phosphorylation by CDK14/CCNY during G2/M stage of

## Target Details

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the cell cycle, which may potentiate cells for Wnt signaling (By similarity). May regulate the transport and translation of mRNAs, modulating for instance the expression of proteins involved in synaptic plasticity in neurons (PubMed:20516077). Involved in regulation of growth as erythroblasts shift from a highly proliferative state towards their terminal phase of differentiation (By similarity). May be involved in apoptosis (By similarity).  
{ECO:0000250|UniProtKB:Q6IMN6, ECO:0000269|PubMed:20516077}.

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Molecular Weight: 114.5 kDa

UniProt: [Q05A80](#)

## Application Details

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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.

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Restrictions: For Research Use only

## Handling

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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