

Datasheet for ABIN7564660  
**CASC3 Protein (AA 1-698) (His tag)**



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## Overview

Quantity:	1 mg
Target:	CASC3
Protein Characteristics:	AA 1-698
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CASC3 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Casc3 Protein expressed in mammalian cells.
Sequence:	MADRRRQRAS QDTEDEESGA SGSDSGSPAR GGGSCSGSVG GGGSGSLPSQ RGGRGGGLHL RRVESGGAKS AESECESED GMEGDAVLSD YESAEDSEGE EDYSEEENSK VELKSEANDA ADSSAKEKGE EKPEKGTVT GERQSGDGQE STEPVENKVG KKGPKHLDDD EDRKNPAYIP RKGLFFEHDL RGQTQEEEV RPKGRQRKLWK DEGRWEHDKF REDEQAPKSR QELIALYGYD IRSAHNPDDI KPRRIRKPRF GSSPQRDPNW IGDRSSKSHR HQGPGGNLPP RTFINRNTAG TGRMSASRNY SRGGFKDGR TSFRPVEVAG QHGGRSAETL KHEASYRSRR LEQTPVRDPS PEPDAPLLGS PEKEEVASET PAAVPDITPP APDRPIEKKS YSRARTRTK VGDAVKAAEE VPPPSEGLAS TATVPETTPA AKTGNWEAPV DSTTGGLEQD VAQLNIAEQS WSPSQPSFLQ PRELRGVPNH IHMGAGPPPQ FNRMEEMGVQ SGRAKRYSSQ RQRPVPEPPA PPVHISIMEG HYYDPLQFQG PIYTHGDSAP PLPPQGMIVQ PEMHLPHPGL HPHQSPGPLP NPGLYPPPVS MSPGQPPPQQ LLAPTYFSAP GVMNFGPNPY PYAPGALPPP PPPHLYPNTQ APPQVYGGVT YYNPAQQQVQ PKPSPRRTP QPVSIKPPPP EVVSRGSS <b>Sequence without tag. The proposed</b>

## Product Details

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**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

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Target: CASC3

Alternative Name: Casc3 ([CASC3 Products](#))

Background: Protein CASC3 (Cancer susceptibility candidate gene 3 protein homolog) (Metastatic lymph node gene 51 protein homolog) (MLN 51 homolog) (Protein barentsz) (Btz) (mBtz),FUNCTION: Required for pre-mRNA splicing as component of the spliceosome. Core component of the splicing-dependent multiprotein exon junction complex (EJC) deposited at splice junctions on mRNAs. The EJC is a dynamic structure consisting of core proteins and several peripheral nuclear and cytoplasmic associated factors that join the complex only transiently either during EJC assembly or during subsequent mRNA metabolism. The EJC marks the position of the exon-exon junction in the mature mRNA for the gene expression machinery and the core

## Target Details

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components remain bound to spliced mRNAs throughout all stages of mRNA metabolism thereby influencing downstream processes including nuclear mRNA export, subcellular mRNA localization, translation efficiency and nonsense-mediated mRNA decay (NMD). Stimulates the ATPase and RNA-helicase activities of EIF4A3. Plays a role in the stress response by participating in cytoplasmic stress granules assembly and by favoring cell recovery following stress. Component of the dendritic ribonucleoprotein particles (RNPs) in hippocampal neurons. May play a role in mRNA transport. Binds spliced mRNA in sequence-independent manner, 20-24 nucleotides upstream of mRNA exon-exon junctions. Binds poly(G) and poly(U) RNA homomer. {ECO:0000250|UniProtKB:O15234}.

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Molecular Weight: 75.8 kDa

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UniProt: [Q8K3W3](#)

## Application Details

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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.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months