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Datasheet for ABIN7563478

Cingulin Protein (CGN) (AA 1-1191) (His tag)

Overview

Quantity:	1 mg
Target:	Cingulin (CGN)
Protein Characteristics:	AA 1-1191
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Cingulin protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Cgn Protein expressed in mammalian cells.
Sequence:	MADPRGPVDH GVQIRFITEP EGATEMGTLR RSGRRPARDA RASTYGVAVR VQGIAGQPFV VLNSGEKGTD SFGVQIKGGN NRGSPGALSS DSELPENPYS QVKGRPATSR SSTSDEEPKD HLNGKLIRSQ SQASLTGLAF MSPSNRSTSL LELAPKPTSS INTIDTAPLS SVDSLINFKD SQKGGQVRGR TGRRTTLPH EQRKRSQSLD SRLPRDTREE REHQSANHWT RGTKYDNHVD SSKNPSQKQS PFSSFSRSRQ TQDWVLQSF ETRDPAMVQF KSTPDLLRDQ RETAPPGSAD HVKATIYGIL REGSSESEAS VRRKVSLVLE QMQPLGMVSP ASTKALAGQA ELTRKMEELQ KKLDEEVKKR QKLEPSRVGL ERQLEEKAAE CHRLQELLER RKGEVQSSK ELQNMKLLLG QEEGLRHGLE AQVKELQLKL KHSQSPDSGK ESKLDLLDT RELLEELLEG KQRVEEQLRL RERELTALKG ALKEEVASHD QVEHVRLQY QRDTEQLRRS MQDATQDHAA LEAERQKMSS LVRELQRELE ETSEETGHWQ SMFQKNKEEL RATKQELLQL RMEKEEMEEE LGEKMEVLQR DLEQARASTR DTHQVEELKK ELRRTQGELK ELQAEQQNQE VTGRHRNQVL EKQLAALREE ADRGRELEQQ NLQLQKTLQQ LRQDCEEASK AKVASETEAM MLGQRRATVE TTLRETQEEN

Product Details

DEFRRRILGL EQQLKEARGL AEGGEAVEAR LRDKVHRLEV EKQQLLEEALN AAQEEEGNLA
AAKRALEVRL DEAQRGLARL GQEQQALNRA LEEEGKQREA LRRSKAELEE QKROLLNRTVD
RLNKELEQIG DDSKLALQQL QAQMEDYKEK ARKEVADAQR QAKDWASEAE KNSGGLSRLQ
DELQRLRQAL QTSQAERDTA RLDKELLAQR LQGLEQEAEN KKRFDQDKAR QLKSLEEKVS
RLEAELDEEK NTVELLTDRV NRGRDQVDQL RTELQERSA RQDLECDKIS LERQNKDLKT
RLASSEGFQK PSASLSQLES QNQLLQERLQ AEEREKTVLQ STNRKLERRV KELSIIQIDDE
RQHVNDQKDQ LTLRVKALKR QVDEAEEEEIE RLDSLKKAQ RELEEQHEVN EQLQARIKSL
EKDAWRKASR SAAESALKQE GLSSDEEFDN VYDPSSIASL LTESNLQTSS C **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.**

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

Target: Cingulin (CGN)

Alternative Name: Cgn ([CGN Products](#))

Target Details

Background:	Cingulin,FUNCTION: Probably plays a role in the formation and regulation of the tight junction (TJ) paracellular permeability barrier. {ECO:0000250}.
Molecular Weight:	136.4 kDa
UniProt:	P59242

Application Details

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.
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