

Datasheet for ABIN7565308  
**Corin Protein (AA 1-1113) (His tag)**



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## Overview

Quantity:	1 mg
Target:	Corin (CORIN)
Protein Characteristics:	AA 1-1113
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Corin protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Corin Protein expressed in mammalian cells.
Sequence:	MGRVSFSVRV SSVRRARCSC PGRCYLSCRV PPTTALRALN GLGCAGVPGE TAGGAVGPGP LGTRGFLSGS KFQAPGSWKD CFGAPPAPDV LRADRSVGE G CPQKLV TANL LRLLLLVLIP CICALIVLLA ILLSFVGT LK RYVFKSNDSE PLVTDGEARV PGVIPVNTVY YENTGAPSLP PSQSTPAWTP RAPSPEDQSH RNTSTCMNIT HSQCQILPYH STLAPLLPIV KNMDMEKFLK FFTYLHRLSC YQHILLFGCS LAFPECVVDG DDRHG LLLPCR SFCEAAKEGC ESLGGMVNSS WPDSLRC SQF RDHTETNSSV RKSCFSLQQE HGKQSLCGGG ESFLCTSGLC VPKKLQCNGY NDCDDWSDEA HCNCSKDLFH CGTGKCLHYS LLC DGYDDCG DLSDEQN CDC NLTK EHR CGD GRCIAAEWVC DGDHDCVDKS DEVNCSCHSQ GLVECRSGQC IPSTFQCDGD EDCKDGSDEE NCSDSQTPCP EGEQGCLGSS CVESCAGSSL CSDSSSL SNC SQCEPITL EL CMNLPYNHTH YPNYLGHRTQ KEASISWESS LFPALVQTNC YKYL MFFACT ILVPKCDVNT GQRIPPCRL L CEHSKERCES VLGIVGLQWP EDTDCNQFPE ESSDNQTCLL PNEDVEECSP SHFKCRSGRC VLGSRRC DGQ ADCDDSDDEE NCGCKERALW ECPFNKQCLK HTLICDGF PD CPDSMDEKNC

## Product Details

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SFCQDNELEC ANHECVPRDL WCDGWVDCSD SSDEWGCVTL SKNGNSSLL TVHKSKEHH  
VCADGWRETL SQLACKQMGL GEPSVTKLIP GQEGQWLRL YPNWENLNGS TLQELLVYRH  
SCPSRSEISL LCSKQDCGRR PAARMNKRIL GGRTSRPGRW PWQCSLQSEP SGHICGCVLI  
AKKWVLTVAH CFEGREDADV WKVVFGINNL DHPSGFMQTR FVKTILLHPR YSRAVDYDI  
SVVELSDDIN ETSYVRPVCL PSPEEYLEPD TYCYITGWGH MGNKMPFKLQ EGEVRIIPLE  
QCQSYFDMKT ITNRMICAGY ESGTVDSCMG DSGGPLVCER PGGQWTLFGL TSWGSVCFSK  
VLGPGVYSNV SYFVGWIERQ IYIQTFLQKK SQG **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

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**Target:** Corin (CORIN)

**Alternative Name:** Corin ([CORIN Products](#))

**Background:** Atrial natriuretic peptide-converting enzyme (EC 3.4.21.-) (Corin) (Low density lipoprotein

## Target Details

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receptor-related protein 4) (Pro-ANP-converting enzyme) [Cleaved into: Atrial natriuretic peptide-converting enzyme, N-terminal propeptide, Atrial natriuretic peptide-converting enzyme, activated protease fragment, Atrial natriuretic peptide-converting enzyme, 180 kDa soluble fragment],FUNCTION: Serine-type endopeptidase involved in atrial natriuretic peptide (NPPA) processing (PubMed:11884416, PubMed:15637153). Converts through proteolytic cleavage the non-functional propeptide NPPA into the active hormone, thereby regulating blood pressure in heart and promoting natriuresis, diuresis and vasodilation (PubMed:11884416, PubMed:15637153, PubMed:22418978). Proteolytic cleavage of pro-NPPA also plays a role in female pregnancy by promoting trophoblast invasion and spiral artery remodeling in uterus (PubMed:22437503). Also acts as a regulator of sodium reabsorption in kidney (PubMed:20613715, PubMed:22418978). May also process pro-NPPB the B-type natriuretic peptide (By similarity). {ECO:0000250|UniProtKB:Q9Y5Q5, ECO:0000269|PubMed:11884416, ECO:0000269|PubMed:15637153, ECO:0000269|PubMed:20613715, ECO:0000269|PubMed:22418978, ECO:0000269|PubMed:22437503}.

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Molecular Weight: 123.0 kDa

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UniProt: [Q9Z319](#)

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Pathways: [Regulation of Systemic Arterial Blood Pressure by Hormones](#)

## 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