

Recombinant Human CORIN Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CORIN-5605H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CORIN MS Standard C13 and N15-labeled recombinant protein (NP_006578) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the type II transmembrane serine protease class of the trypsin superfamily. Members of this family are composed of multiple structurally distinct domains. The encoded protein converts pro-atrial natriuretic peptide to biologically active atrial natriuretic peptide, a cardiac hormone that regulates blood volume and pressure. This protein may also function as a pro-brain-type natriuretic peptide convertase. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	116.3 kDa
AA Sequence	MKQSPALAPEERCRRAGSPKPVLRADDNNMGNGCSQKLATANLLRFLLLVLIPCICA LVLLLVILLSYVGTLQKVYFKSNGSEPLVTDGEIQGSDVILTNTIYNQSTVVSTAHPDQ HVPAWTTDASLPGDQSHRNTSACMNITHSQCQMLPYHATLTPLLSVVRNMEMEKFL KFFTYLHRLSCYQHIMLFGCTLAFPECIIDGDDSHGLLPCRSFCEAAKEGCESVLGM VNYSWPDFLRCSQFRNQTESSNVSRI CFSPQQENGKQLLCGRGENFLCAGICIPG KLQCNGYND CDDWSDEAHCNCSENLFHCHTGKCLNYSLVCDGYDDCGDLSDEQN

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CDCNPTTEHRCGDGRCIAMEWVCDGDHDCVDKSDEVNCSCHSQGLVECRNGQCI
 PSTFQCDGDEDCKDGSDEENC SVIQTSCQEGDQRCLYNPCLDSCGGSSLCDPNNS
 LNNCSQCEPITLELCMNLPYNSTSYPNYFGHRTQKEASISWESSLPALVQTNCYKY
 LMFFSCTILVPKCDVNTGEHIPPCRALCEHSKERCESVLGIVGLQWPEDTDCSQFPE
 ENSDNQTCLMPDEYVEECSPSHFKCRSGQCVLASRRCDGQADCDDDSDEENCGC
 KERDLWECPSNKQCLKHTVICDGFPCPDYMDEKNCSFCQDDELECANHACVSRD
 LWCDGEADCSDSSDEWDCVTL SINVNSSSFLMVHRAATEHHVCADGWQEILSQLA
 CKQMGLGEP SVTKLIQEKEPRWLT LHSNWESLNGTTLHELLVNGQSCESRSKIS
 LLCTKQDCGRRPAARMNKRILGGRTSRPGRWPWQCSLQSEPSGHICGCVLIAKKW
 VLTVAHCFEGRENAAVWKVVLGINNLDHPSVFMQTRFVKTIILHPRYSRAVVDYDISI
 VELSEDISETGYVRPVCLPNPEQWLEPDTYCYITGWGHMGNKMPFKLQEGEVRIISL
 EHCQSYFDMKTITTRMICAGYESGTVDSMCGDSGGPLVCEKPGGRWTLFGLTSWG
 SVCFSKVLGPGVYSNVSYFVEWIKRQIYIQTFLNTRTRPLEQKLISEEDLAANDILDY
 KDDDDKV

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Stability

Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage

Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration

50 µg/mL as determined by BCA

Storage Buffer

100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name

CORIN corin, serine peptidase [Homo sapiens (human)]

Official Symbol

CORIN

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Synonyms	CORIN; corin, serine peptidase; corin, serine protease; atrial natriuretic peptide-converting enzyme; ATC2; CRN; Lrp4; PRSC; TMPRSS10; pro-ANP-convertase; pro-ANP-converting enzyme; heart specific serine proteinase; transmembrane protease serine 10; heart-specific serine proteinase ATC2; atrial natriuteric peptide-converting enzyme; MGC119742;
Gene ID	10699
mRNA Refseq	NM_006587
Protein Refseq	NP_006578
MIM	605236
UniProt ID	Q9Y5Q5
SDS-PAGE	