

Active Recombinant Full Length Human CORIN Protein, C-Flag-tagged

Cat. No. CORIN-274HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CORIN Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	Enzyme activity
Molecular Mass	116.3 kDa
AA Sequence	MKQSPALAPEERCRRAGSPKPVLRADDNNMGNGCSQKLATANLLRFLLLVLIPCICALVLLLVILLSYVG TLQKVYFKSNGSEPLVTDGEIQGSDVILTNTIYNQSTVVSTAHPDQHVPWTTDASLPGDQSHRNTSACM NITHSQCQMLPYHATLTPLLSVVRNMEMEKF

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LKFFTYLHRLSCYQHIMLFGCTLAFPECIIDGDDSHGLL PCRSFCEAAKEGCESVLG
 MVNYSWPDFLRCSQFRNQTESSNVSRICFSPQQENGKQLLCGRGENFLCASG ICIP
 GKLQCNGYNDCCDDWSDEAHCNCSENLFHCHTGKCLNYSLVCDGYDDCGDLSDEQ
 NCDCNPTTEHRC GDGRCIAMEWVCDGDHDCVDKSDEVNCSCHSQGLVECRNGQ
 CIPSTFQCDGDEDCKDGSDEENC SVIQTSCQEGDQRCLYNPCLDSCGGSSLCDPN
 NSLNCSQCEPITLELCMNLPYNSTSYPNYFGHRTQKEASISWE SSLFPALVQTNC
 YKYLMMFFSCTILVPKCDVNTGEHIPPCRALCEHSKERCESVLGIVGLQWPEDTDCSQ
 F PEENSDNQTCCLMPDEYVEECSPSHFKCRSGQCVLASRRCDGQADCCDDSDDEEN
 CGCKERDLWECPSNKQC LKHTVICDGFDPDYMDEKNCSFCQDDELECANHAC
 VSRDLWCDGEADCSDSSDEWDCVTLSINVNSSS FLMVHRAATEHHVCADGWQEIL
 SQLACKQMGLGEPSTVKLIQEKEPRWLTLSHNWESLNGTTLHELLV NGQSCES
 RSKISLLCTKQDCGRRPAARMNKRILGGRTSRPGRWPWQCSLQSEPSGHICGCVLI
 AKKWVLT VAHCFEGRENAAVWKVVLGINNLDHPSVFMQTRFVKTIILHPRYSRAVV
 DYDISIVELSEISETGYVRP VCLPNPEQWLEPDTYCYITGWGHMGNKMPFKLQEG
 EVRIISLEHCQSYFDMKTITTRMICAGYESGTVDS
 CMGDSGGPLVCEKPGGRWTLFGLTSWGSVCFSKVLGPGVYSNVSYFVEWIKRQIYI
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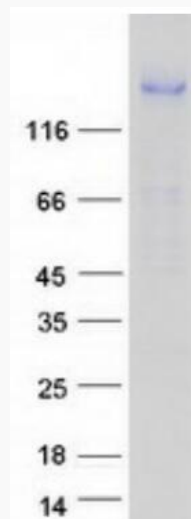
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Protein Families	Druggable Genome, Protease, Transmembrane
Full Length	Full L.
GENE INFORMATION	
Gene Name	CORIN corin, serine peptidase [Homo sapiens (human)]
Official Symbol	CORIN
Synonyms	CRN; ATC2; Lrp4; PEE5; TMPRSS10
Gene ID	10699
mRNA Refseq	NM_006587.4
Protein Refseq	NP_006578.2
MIM	605236
UniProt ID	Q9Y5Q5

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Coomassie blue staining of purified CORIN protein.

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