

Recombinant Human CORIN Protein, His-tagged

Cat. No. CORIN-439H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CORIN(Ser448~Glu579) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser448~Glu579
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	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Molecular Mass	18.9kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 95%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	CORIN corin, serine peptidase [Homo sapiens]
Official Symbol	CORIN
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 natriuretic peptide-converting enzyme; MGC119742;
Gene ID	10699
mRNA Refseq	NM_006587
Protein Refseq	NP_006578

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MIM	605236
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UniProt ID	Q9Y5Q5
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