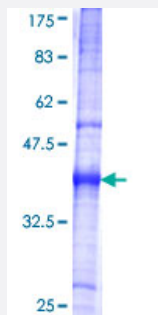


CORIN (Human) Recombinant Protein (Q01)

Catalog # H00010699-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CORIN partial ORF (NP_006578, 616 a.a. - 715 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	CKERDLWECPSNKQCLKHTVICDGFDCPDYMDEKNCSFCQDDELECANHACVSRDLWCDG EADCSDSSDEWDCVTLNINSSSFLMVHRAATEHHVCA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (83); Rat (85)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CORIN

Entrez GeneID [10699](#)

GeneBank Accession# [NM_006587](#)

Protein Accession# [NP_006578](#)

Gene Name CORIN

Gene Alias ATC2, CRN, Lrp4, MGC119742, TMPRSS10

Gene Description corin, serine peptidase

Omim ID [605236](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations atrial natriuretic peptide-converting enzyme|corin|corin, serine protease|heart specific serine protease|pro-ANP-convertase|pro-ANP-converting enzyme

Disease

- [Atherosclerosis](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)

- [Edema](#)
- [Hypertension](#)
- [Ventricular Dysfunction](#)