

Recombinant Mouse Corin Protein, Myc/DDK-tagged

Cat. No. Corin-2271M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length corin, serine peptidase (Corin), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Serine-type endopeptidase involved in atrial natriuretic peptide hormone (NPPA) processing. 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. Proteolytic cleavage of pro-NPPA also plays a role in female pregnancy by promoting trophoblast invasion and spiral artery remodeling in uterus. Also acts as a regulator of sodium reabsorption in kidney. May also process pro-NPPB the B-type natriuretic peptide.
Molecular Mass	123.5 kDa
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 after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Corin corin, serine peptidase [Mus musculus (house mouse)]

Official Symbol Corin

Synonyms CORIN; corin; atrial natriuretic peptide-converting enzyme; pro-ANP-converting enzyme; low density lipoprotein-related protein 4; low density lipoprotein receptor-related protein 4; Lrp4; AV273130; MGC118735

Gene ID 53419

mRNA Refseq NM_016869

Protein Refseq NP_058565

UniProt ID Q9Z319

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