# Recombinant Mouse Corin Protein, Myc/DDK-tagged

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

## SPECIFICATION

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| **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

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| **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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