

## Product datasheet for TP524645

### Corin (NM\_016869) Mouse Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Mouse corin, serine peptidase (Corin), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
<b>Species:</b>	Mouse
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>MR224645 representing NM_016869 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MGRVFSFSVRVSSVRRARCSCPGRCYLSCRVPPTALRALNGLGCAGVPGETAGGAVGPGPLGTRGFLSGS            KFQAPGSWKDCFGAPPAPDVLRADRSVGEGCPQKLVNTANLLRFLLLVLPICALIVLLAILLSFVGTLK            RVYFKSNDSEPLVTDGEARVPGVIPVNTVYYENTGAPSLPPSQSTPAWTPRAPSPEDQSHRNTSTCMNIT            HSQCQILPYHSTLAPLLPIVKNMDMEKFLKFFTYLHRLSCYQHILLFGCSLAFPECVVDGDDRHLGLLPCR            SFCEAAKEGCVSVLGMVNSSWPSLRCQSFRDHTETNSSVRKSCFSLQEHGKQSLCGGGESFLCTSGLC            VPKKLQCNQYNDCCDDWSDEAHCNCSKDLFHCCTGKCLHYSLLCDGYDDCGDLSDEQNCDCNLTKEHRCGD            GRICAAEWVCDGDHDCVDKSDVENCSCHSQGLVECRSGQCIPSTFQCDGDEDCKDGSDEENCSDSQTPCP            EGEQGCLGSSCVESCAGSSLCSDSSLSNCSQCEPITLELCMNLPHYNYLGHRTQKEASISWESS            LFPALVQTNKYKLMFFACTILVPKCDVNTGQRIPPCRLLEHSEKERCESVLGIVGLQWPEDTDCNQFPE            ESSDNQTCLLPNEDEVEECSPSHFKCRSGRCVLGSRRCGQADCDDSDSEENCCKERALWECPFNKQCLK            HTLICDGFPCPDSMDEKNCSEFCQDNELECANHECVPRDLWCDGWVDCSDSSDEWGCVTLSKNGNSSLL            TVHKSAAKEHHVCADGWRETLSQLACKQMGLGEPVTKLIPGQEGQWLRLYPNWNENLNGSTLQELLVYRH            SCPSRSEISLLCSKQDCGRRPAARMNKRILGGRTSRPGRWPWQCSLQSEPSGHICGCVLIAKKWVLTVAH            CFEGREDADVWKVVFGINNLDHPSGFMQTRFVKILLHPRYSRAVVDYDISVVELSDDINETSIVRVPVCL            PSPEEYLEPPTYCYITGWGHMGNKMPFKLQEGEVRIIPLEQCQSYFDMKTTNRMICAGYESGTVDSCMG            DSGGPLVCERPQQWTLFGLTSWGSVCFKVLGPGVYSNVSYFVGVWIERQIYIQTFLQKKSQG</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
<b>Tag:</b>	C-MYC/DDK
<b>Predicted MW:</b>	123.5 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u><a href="#">NP_058565</a></u>
<b>Locus ID:</b>	53419
<b>UniProt ID:</b>	<u><a href="#">Q9Z319</a></u>
<b>RefSeq Size:</b>	4890
<b>Cytogenetics:</b>	5 C3.2
<b>RefSeq ORF:</b>	3339
<b>Synonyms:</b>	AV273130; Lrp4
<b>Summary:</b>	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. [UniProtKB/Swiss-Prot Function]