

Product datasheet for RN213739

Corin (NM_182473) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Corin (NM_182473) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Corin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN213739 representing NM_182473 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGGGCAGGGTTTCTTTCAACGTTCCGGTTCAGCTCTGTGAGGAGAGCCCCGCTGCTCTTGTCTGGGCGAT
GCTACCTGTCTGCAGAGTCCCTCCAACCACCGCCCTCCATGCACTGAACGGGTTTGGCCGCGCGGGGT
TCTGGGGAGACTGCAGGTGGAACCGCTCGGACTCGGCCCTCGGGGACCGTGGCTTCTCTCCGGTCC
AAGTTCAGGCTTCGGGAGCTTGAAGATTGCTTTGGAGCCCCGCTGCTCCAGAGCTTGTAGAGCAG
ACAGCAGCGTGGGCGAGGCTGTCTCAGAAGCTGGTGACAGCAAATTTGCTACGCTTCTCTGCTTGT
GCTCATCCCTGCATCTGCGCCCTTATCGTGCTGCTGGCCATCCTGCTGTCTTGTGGGAACATTAAG
AAGTTTTATTTCAAATCAAATGACAGTGAACCTTTGGTCACTGATGGTGAAGTTCGAGTGCCTGGTGT
TCCATGTAATAGATATGAGAACACAGGGGCGCCCTCTATGTCCCCAGCCAATCCATTCTGCCTGGAC
ACCTAGAGCTCCTTCTCTAGAGGACCAGAGTACGGAAATACAAGCACCTGCGTGAACATCACTCACAGA
CAGTGTCAAATTCGCCCTACCACAGCAGCTGGCACCCTCTTGCCAATTGTCAAAAATATGGACACGG
AGAAGTTCCTCAAGTTCTTACGTACCTCCATCGCTCGGTTGCTATCAACACATCCTGCTTTGGCTG
TAGCCTCGCCTCCCAAGTGCATTGTTGATGGCGATGACAGGCACGGCCTCCTACCCTGTAGATCTTTC
TGTGAGGCTGAAAAGAAGGATGTGAATCAGTCCCTGGGAATGGTGAACCTCCTCTGGCCAGATTCCTCA
GATGCTCTCAGTTTAGATACCACACTGAGAATAACAGCGACGCCAGCAGATCTGCTTCTCACTGCAGCA
GGAGCATGGAAAGCAATCGCTCTGTGGAGGAGGTGAGAGCTTCTGTGTACCAGCGGGCTCTGCATCTCC
AAGAAGCTGCAGTGAATGGCTACAATGACTGTGATGACTGGAGCGACGAGGCTCACTGCAACTGCAGCG
AGGATCTGTTTCACTGTGGAACAGGCAAGTGCCTCCACCACAGCCTTGTGTGCGATGGGTATGATGACTG
TGGGACCTGAGCGACGAGCAAACTGTGATTGCAATCTCACAAAAGAGCATCGCTGTGGAGACGGGCGC
TGATCGCGGCTGAGTGGTGTGTGATGGGACCATGACTGTGTGACAAGTCTGACGAGGTCAACTGCT
CTTGTCCCAGCCAGGGCCTTGTGGAATGCAGAAGTGGACAGTGCATCCCTAGCACCTTCCAGTGTGATGG
GGACGAAGACTGTAAAGACGGGAGTGACAGGAGAAGTGCAGTGACCGTCCGACACCGTGTCTGGAGGA
GATCGGGTTGCCTTGACAGTTCCTGTGTGCAATCCTGTGCTGGTAGCTCTGTGTGACTCAGACAGCA
GCCTGAGTAACTGCAGTCACTGTGAGCCATCACTTTGGAAGTCTGCATGAATTTGCCCTACAACCTTAC
ACATTATCCAATTACCTTGCCACAGAAGTCAAAGGAAGCGTCCATCAGCTGGGAGTCAGCTCTCTTC



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CCTGCCCTGTACAAACCAACTGTTACAAATACCTCATGTTTTTCGCTTGACCATTTTGGTTCCAAAGT
 GTGATGTGAATACAGGCCAGCGCTCCCGCCTTGACACTCCTGTGTGAGCACTCCAAAGAGCGCTGTGA
 GTCTGTCTGGGGATCGTAGGCCCTCCAGTGGCCTGAAGACACAGACTGCAGTCAATTTCCAGAGCAAAGT
 TCAGACAATCAAAGTTCCTCCTGCCAATGAAGACGTGGAAGAATGCTCTCCGAGTCACTTCAAGTGCC
 GCTCGGGACGATGCGTTCTGGGTCCAGAAGATGCGACGCCAGGCTGACTGTGATGACGACAGTGACGA
 AGAGAAGTGTGGTTGTAAGAGAGAGATCTTTGGGAATGCCACTCAATAAGCAATGTCTGAAGCATAACA
 TTAATCTGTGATGGGTTCCAGACTGTTTCAGATAGTATGGATGAAAAAAGTCTCATTTTGCCAGGACG
 ATGAGCTGGAATGTGCCAACCATGAGTGTGCCACGCGACCTGTGGTGGATGGATGGACAGATTGCTC
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 GTTGCCTCCAGTGGGAGAATCTCAATGGGAGCACCTGCGAGGAGTGTGGTGCACAGGCGGTCTCTGC
 CCAAGCGAAGTGAATTTCCCTTCTGTGTACCAAGCAAGACTGTGGTGGCCGCTGCTGCCGAATGA
 ACAAGAGGATCCTTGGGGTCCGACTAGTCGTCTGGGAGGTGGCCGTGGCAGTGTCTCTGCAGAGTGA
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 GAAGGGAGAGAGGATGCTGATGTCTGAAAGTGGTATTTGGCATAAAACCTGGACCATCCGTCAGGCT
 TCATGCAGACCCGCTTTGTGAAGACCATTCTGCTACATCCCCGTTACAGTCGAGCAGTGGTAGACTATGA
 CATCAGTGTGGTGGAGCTGAGTGTGATATCAATGAGACAAGCTACGTCAGACCTGTCTGCCTACCCAGC
 CCCAGGGAGTTCCTAGAACCCAGATACATACTGCTACATCACAGGCTGGGGCCACATGGGCAATAAAATGC
 CCTTTAAGCTGCAGGAGGGGGAAGTCCGCATTATTCCTCTGGAGCAGTCCAGTCCATTTTGGATGAA
 GACCATACCAATCGGATGATATGTGCTGGCTATGAGTCCGGCACTGTGGACTCATGTATGGGAGACAGT
 GGTGGTCTCTGGTTTGTGAACGACCCGGAGGACAGTGGACATTATTTGGTTAACTTCATGGGGCTCCG
 TCTGCTTTTCAAAGTCTAGGACCTGGAGTGTACAGCAATGTGCTTACTTTGTTGACTGGATCGAAAG
 ACAAAATATATCCAGACCTTTCTCCAAAAGAAATCCCAAGGATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_182473
- Insert Size:** 3336 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
- RefSeq:** [NM_182473.1](#), [NP_872279.1](#)
- RefSeq Size:** 3645 bp

RefSeq ORF: 3336 bp

Locus ID: 289596

UniProt ID: [Q80YN4](#)

Cytogenetics: 14p11

Gene Summary: 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]