

Product datasheet for MC223617

Corin (NM_016869) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Corin (NM_016869) Mouse Untagged Clone
Tag: Tag Free
Symbol: Corin
Synonyms: AV273130; Lrp4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223617 representing NM_016869
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGCAGGGTTTCCTTCAGCGTTCGGGTGAGCTCCGTGCGGAGAGCCCCGCTGCTTTGCTCCTGGGCGAT
GCTACCTCTCCTGCAGAGTCCCTCAACCACCGCCCTCCGTGCACTGAACGGTCTTGGCTGCGCGGGGT
TCCGGGGGAGACTGCAGGTGGAGCCGTGCGACCCGGCCCTTGGGGACCCGTGGCTTCTCTCCGGGTCC
AAGTTCAGGCTCCCGGAGCTGGAAGGATTGCTTTGGAGCCCCGCTGCTCCAGACGTCTTGAGAGCAG
ACAGGAGCGTGGGCGAGGGCTGTCTCAGAAGCTGGTACTGCTAACTGCTGCGCTTCTCCTGCTGGT
GCTCATCCCTGCATCTGCGCCCTCATCGTGTCTGGCCATCCTGCTGTCTTTGTGGGAACATTA
AGGGTTTATTTCAAATCAAATGACAGTGAACCTTTGGTCACTGATGGGAAGCTCGAGTGCCTGGTGT
TTCCTGTAATACAGTTTATTATGAGAACACAGGGGCGCCCTCTGCCCCCAGCCAGTCCACTCCAGC
CTGGACACCGAGAGCTCCTTCTCCAGAGGACCAGAGTACAGGAACACAAGCACCTGCATGAACATCACT
CACAGCCAGTGTCAAATCTGCCCTACCACAGCACGTTGGCACCTCTTTGCCAATTGTCAAAAACATGG
ACATGGGAAGTTCTCAAGTTCTCACGTACCTCCATCGCCTCAGTTGCTATCAACATATCCTGCTCTT
CGGCTGTAGCCTCGCCTTCCCTGAGTGCCTTGTGATGGCGATGACAGGCATGGTCTTCTACCCCTGTA
TCTTTCTGTGAGGCTGCAAAAGAAGGATGCGAATCTGTCCTGGGAATGGTGAACCTCCTGCGCGGATT
CCCTCAGATGCTCTCAGTTAGGGACCACACTGAGACTAACAGCAGTGTGAGAAAGAGCTGCTTCTCACT
GCAGCAGGAACATGAAAGCAATCACTCTGTGGAGGGGCGAGAGCTTCTGTGTACCAGCGGGCTCTGC
GTCCCCAAGAAGCTGCAGTGTAAACGGCTATAATGACTGTGATGACTGGAGCGACGAGGCGCATTGCAACT
GCAGCAAGGATCTGTTTCACTGTGGCACAGGCAAGTGCCTCCATTACAGCCTCTTGTGTGATGGGTACGA
TGACTGTGGGACCTGAGTGACGAGCAAACTGTGATTGTAATCTCACAAAAGAGCATCGCTGTGGAGAT
GGGCGCTGCATTGCGGCTGAGTGGTGTGCGATGGGACCATGACTGTGTGGACAAGTCTGATGAGGTCA
ACTGCTTTGTACAGCCAGGGCCTGGTGAATGCAGAAGTGGACAGTGCATCCCTAGCACCTTCCAGTG
TGATGGGACGAAGACTGTAAGGATGGGAGTGACGAGGAGAAGTGCAGTGCAGTGCAGACCCATGTCCA
GAAGGAGAACAGGGATGCCTTGGCAGTTCCTGCGTCAATCCTGTGCTGGTAGCTCTGTGTGACTCAG



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ACAGCAGCCTGAGTAACTGCAGTCAATGTGAGCCATCACTTTGGAACCTGTCATGAATTTGCCCTACAA
CCATACACATTATCCAAATTACCTTGGCCACAGAACTCAAAGGAAGCGTCCATCAGCTGGGAGTCATCC
CTTTCCCTGCCCTTGTACAAACCAACTGTTACAAATACCTCATGTTTTTCGCTTGACCAATTTGGTTC
CAAAGTGTGATGTGAATACAGGACAACGCATCCCGCTTGCACTCCTGTGTGAGCACTCCAAAGAGCG
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GAAAGTTCAGACAATCAAACCTGGCTCCTGCCAATGAAGATGTGAAGAATGCTCTCCGAGTCACTTCA
AATGCCGCTCGGACGATGCGTTCTGGGCTCCAGGAGATGTGACGGCCAGGCTGACTGTGACGACGACAG
TGACGAGGAGAAGCTGTGGTTGTAAGAGAGAGACTCTTTGGGAATGTCCATTTAATAAGCAATGTCTGAAG
CATACTTAATCTGCGATGGGTTTCCAGATTGTCCAGACAGTATGGATGAAAAAACTGCTCATTTTGGC
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CCTGCAAGCAGATGGGTTTAGGAGAACCGTCTGTGACCAAGCTGATCCCAGGACAGGAAGGCCAGCAGTG
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TCCTGCCAAGCAGAAGTGAATTTCCCTTCTGTGCTCCAAGCAAGACTGTGGCCGCCCTGCTGCC
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GAGTGAACCCAGTGGACATATCTGTGGCTGTGTCCTATTGCCAAGAAGTGGGTCCTGACAGTTGCCAT
TGCTTTGAAGGGAGAGAAGACGCTGATGTTTGGAAAGTGGTATTTGGCATAAAACAACCTGGACCATCCAT
CAGGCTTCATGCAGACCCGCTTTGTGAAGACCATCCTGTACATCCCCGTACAGTCGAGCAGTGGTAGA
CTATGATATCAGCGTGGTGGAGCTGAGCGATGATATCAATGAGACAAGCTACGTCAGACCTGTCTGCCTA
CCCAGTCCGGAGGAGTATCTAGAACCAGATACGTAAGTACATCACAGGCTGGGGCCACATGGGCAATA
AAATGCCCTTTAAGCTGCAGGAGGGAGAGTCCGCATTATCCCTCTGGAGCAGTGCCAGTCTATTTTGA
CATGAAGACCATACCAATCGGATGATCTGTGCTGGCTATGAGTCTGGCACCGTGGACTCCTGCATGGGA
GACAGCGGTGGGCTCTGGTTTGTGAACGACCCGGAGGACAGTGGACATTATTTGGTTTAACTTCATGGG
GCTCCGCTGCTTTTCCAAAGTTCTGGGACCTGGAGTGTACAGCAATGTGTCTTACTTTGTGGGCTGGAT
TGAAGACAAATATATATCCAGACCTTTCTCCAAAAGAAATCCCAAGGATAA

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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_016869
- Insert Size:** 3342 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_016869.3](#), [NP_058565.2](#)

RefSeq Size: 4890 bp

RefSeq ORF: 3342 bp

Locus ID: 53419

UniProt ID: [Q9Z319](#)

Cytogenetics: 5 C3.2

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]
Transcript Variant: This variant (1) encodes the longer isoform (1).