

Product datasheet for MC223369

Corin (NM_001122756) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Corin (NM_001122756) 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:	>MC223369 representing NM_001122756 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTACAGAAACGGCCCCCGCCCTTGCTCCGGAGGAGTACAGCCGCCGAGCTGACGCCCAAAGAGGG
TCTTGAGAGCAGACAGGAGCGTGGGCGAGGGCTGTCCTCAGAAGCTGGTACTGTAACCTGCTGCGCTT
CCTCCTGCTGGTCTCATCCCCTGCATCTGCGCCCTCATCGTGTCTGGCCATCCTGCTGCTCTTTGTG
GGAACATTAAGGAGGTTATTTCAAATCAAATGACAGTGAACCTTTGGTCACTGATGGGAAGCTCGAG
TGCCCTGGTGTATTCTGTAAATACAGTTTATTATGAGAACACAGGGGCGCCCTCTGCCCCCAGCCA
GTCCACTCCAGCCTGGACACCGAGAGCTCCTTCTCCAGAGGACCAGAGTACAGGAACACAAGCACCTGC
ATGAACATCACTCACAGCCAGTGTCAAATCTGCCCTACCACAGCACGTTGGCACCTCTCTTGCCAAATG
TCAAAAACATGGACATGGAGAAGTTCTCAAGTTCTTACGTACCTCCATCGCCTCAGTTGCTATCAACA
TATCCTGCTCTTCGGCTGTAGCCTCGCCTCCCTGAGTGCCTGTTGATGGCGATGACAGGCATGGTCTT
CTACCCGTAGATCTTTCTGTGAGGCTGCAAAAAGAAGGATGCGAATCTGTCTGGGAATGGTGAACCTCT
CCTGGCCGATTCCCTCAGATGCTCTCAGTTTAGGGACCACACTGAGACTAACAGCAGTGTGAGAAAGAG
CTGCTTCTCACTGCAGCAGGAACATGAAAGCAATCACTCTGTGGAGGGGCGAGAGCTTCTGTGTACC
AGCGGGCTCTGCGTCCCCAAGAAGCTGCAAGTGTAAACGGCTATAATGACTGTGATGACTGGAGCGACGAGG
CGCATTGCAACTGCAGCAAGGATCTGTTTCACTGTGGCACAGGCAAGTGCCTCCATTACAGCCTCTGTG
TGATGGGTACGATGACTGTGGGACCTGAGTGACGAGCAAACTGTGATTGTAATCTCACAAAAGAGCAT
CGCTGTGGAGATGGGCGCTGCATTGCGGCTGAGTGGGTGTGCGATGGGACCATGACTGTGTGGACAAGT
CTGATGAGGTCAACTGCTCTTGTACAGCCAGGGCCTGGTGAATGCAGAAGTGGACAGTGCATCCCTAG
CACCTTCCAGTGTGATGGGACGAAGACTGTAAGGATGGGAGTGACGAGGAGAACTGCAGTACAGTACAG
ACGCCATGTCCAGAAGGAGAACAGGGATGCCTTGGCAGTTCCTGCGTCAATCCTGTGCTGGTAGCTCTC
TGTGTGACTCAGACAGCAGCCTGAGTAAGTGCAGTCAATGTGAGCCCATCACTTTGGAACCTGCATGAA
TTTGCCCTACAACCATACACATTATCAAATTACCTTGGCCACAGAACTCAAAGGAAGCGTCCATCAGC
TGGGAGTCATCCCTTTCCCTGCCCTTGTACAAACCAACTGTTACAAATACCTCATGTTTTTCGCTTGCA



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CCATTTTGGTTCCAAAGTGTGATGTGAATACAGGACAACGCATCCCGCCTTGACAGACTCCTGTGTGAGCA
 CTCCAAAGAGCGCTGTGAGTCTGTTCTGGGAATCGTTGGCCTGCAGTGGCCTGAAGACACCGACTGCAAT
 CAATTTCCAGAGGAAAGTTCAGACAATCAAACCTGCCTCCTGCCAATGAAGATGTGGAAGAATGCCTC
 CGAGTCACTTCAAATGCCGCTCGGGACGATGCGTTCTGGGCTCCAGGAGATGTGACGGCCAGGCTGACTG
 TGACGACGACAGTGACGAGGAGAACTGTGGTTGTAAGAGAGAGCTCTTTGGGAATGTCCATTTAATAAG
 CAATGTCTGAAGCATACATTAATCTGCGATGGGTTTCCAGATTGCCAGACAGTATGGATGAAAAAACT
 GCTCATTGTTGCCAAGACAATGAGCTGGAATGTGCCAACCATGAGTGTGTGCCGCTGACCTTTGGTGCGA
 CGGATGGGTGACTGCTCAGACAGTTCTGATGAATGGGGCTGTGTGACCCTCTCTAAAAATGGAACTCC
 TCCTCATTGCTGACTGTTCAAAAATCTGCAAAGGAACACCACGTGTGTGCTGACGGCTGGCGGGAGACGT
 TGAGTCAGCTGGCCTGCAAGCAGATGGGTTTAGGAGAACCCTGTGTGACCAAGCTGATCCCAGGACAGGA
 AGGCCAGCAGTGGCTGAGGTTGTACCCCACTGGGAGAACTCAATGGGAGCACCTTGCAGGAGCTGCTG
 GTATACAGGCACTCCTGCCAAGCAGAAGTGAATTTCCCTTCTGTGCTCAAGCAAGACTGTGGCCGCC
 GCCCTGCTGCCGAATGAACAAGAGGATCCTTGGGGTTCGGACTAGTCGTCTGGGAGGTGGCCGTGGCA
 GTGCTCTCTCAGAGTGAACCCAGTGGACATATCTGTGGCTGTGCTCATTGCCAAGAAGTGGTCTCTG
 ACAGTTGCCATTGCTTTGAAGGGAGAGAAGACGCTGATGTTTGGAAAGTGGTATTTGGCATAAACAAAC
 TGACCATCCATCAGGCTTCATGCAGACCCGCTTTGTGAAGACCATCCTGCTACATCCCCGTTACAGTCG
 AGCAGTGGTAGACTATGATATCAGCGTGGTGGAGCTGAGCGATGATATCAATGAGACAAGCTACGTCAGA
 CCTGTCTGCCTACCCAGTCCGGAGGAGTATCTAGAACCAGATACGTAAGTCTACATCACAGGCTGGGGCC
 ACATGGGCAATAAAAATGCCCTTTAAGCTGCAGGAGGGAGAGTCCGCATTATCCCTCTGGAGCAGTGCCA
 GTCCTATTTTGACATGAAGACCATCACCAATCGGATGATCTGTGCTGGCTATGAGTCTGGCACCGTGGAC
 TCCTGCATGGGAGACAGCGGTGGCCCTGTGTTTGTGAACGACCCGGAGGACAGTGGACATTATTTGGTT
 TAATTCATGGGGCTCCGTCGCTTTTCCAAAGTCTGGGACCTGGAGTGTACAGCAATGTGCTTACTT
 TGTGGGCTGGATTGAAAGACAAAATATATCCAGACCTTCTCCAAAAGAAATCCCAAGGATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001122756

Insert Size:

3144 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_001122756.1, NP_001116228.1
RefSeq Size:

4733 bp

RefSeq ORF:

3144 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 (2) has an alternate 5' exon, as compared to variant 1. The resulting isoform (2) has a different N-terminus, as compared to isoform 1.