

Product datasheet for **SC337337**

CORIN (NM_001278586) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CORIN (NM_001278586) Human Untagged Clone
Tag:	Tag Free
Symbol:	CORIN
Synonyms:	ATC2; CRN; Lrp4; PEE5; TMPRSS10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001278586, the custom clone sequence may differ by one or more nucleotides

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ATGAAACAGTCTCCTGCCCTCGCTCCGGAAGAGCGCTGCCGCAGAGCCGGTCCCCAAAGCCGGTCTTGA
GAGCTGATGACAATAACATGGGCAATGGCTGCTCTCAGAAGCTGGCGACTGCTAACCTCCTCCGGTTCCT
ATTGCTGGTCCTGATCCATGTATCTGTGCTCTCGTTCTCTTGCTGGTGATCCTGCTTTCCTATGTTGGA
ACATTACAAAAGGTCTATTTTAAATCAAATGGGAGTGAACCTTTGGTCACTGATGGTGAAATCCAAGGGT
CCGATGTTATTCTTACAAATACAATTTATAACCCAGAGCACTGTGGTGTCTACTGCACATCCCACCAACA
CGTTCCAGCCTGGACTACGGATGCTTCTCTCCAGGGGACCAAAGTACAGGAATACAAGTGCCTGTATG
AACATCACCCACAGCCAGTGTGAGATGCTGCCCTACCAGCCACGCTGACACCTCTCCTCTCAGTTGTCA
GAAACATGAAATGAAAAAGTTCCTCAAGTTTTTACATATCTCCATCGCCTCAGTTGCTATCAACATAT
CATGCTGTTTGGCTGTACCCTCGCCTCCCTGAGTGCATCATTGATGGCGATGACAGTATGGACTCCTG
CCCTGTAGGTCCTTCTGTGAGGCTGAAAAGAAGGCTGTGAATCAGTCTGGGGATGGTGAATTACTCCT
GGCCGGATTTCTCAGATGCTCCAGTTTAGAAAACCAAAGTAAAGCAGCAATGTCAGCAGAATTTGCTT
CTACCTCAGCAGGAAAACGAAAAGCAATTGCTCTGTGGAAGGGGTGAGAACTTTCTGTGTGCCAGTGGA
ATCTGCATCCCCGGGAAACTGCAATGTAATGGCTACAACGACTGTGACGACTGGAGTGACGAGGCTCATT
GCAACTGCAGCGAGAATCTGTTTCACTGTACACAGGCAAGTGCCTTAATTACAGCCTTGTGTGTGATGG
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ATTACATTGGAAGTCTGCATGAATTTGCCCTACAACAGTACAAGTTATCCAAATTTTGGCCACAGGA
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ATACCTCATGTTCTTTTCTGCACCATTTTGGTACCAAAATGTGATGTGAATACAGGCGAGCATATCCCT
CCTTGCAGGGCATTGTGTGAACACTCTAAAGAACGCTGTGAGTCTGTTCTTGGGATTGTGGGCCTACAGT
GGCCTGAAGACACAGATTGCAGTCAATTTCCAGAGGAAAATTCAGACAATCAAACCTGCCTGATGCCTGA
TGAATATGTGGAAGAATGCTCACCTAGTCATTTCAAGTCCGCTCAGGACAGTGTGTTCTGGCTCCAGA
AGATGTGATGGCCAGGCCGACTGTGACGATGACAGTGTGAGGAAAAGTGTGGTTGTAAGAGAGAGATC
TTTGGGAATGTCCATCCAATAAACAATGTTTGAAGCACACAGTGTCTGCGATGGGTTCCAGACTGCC
TGATTACATGGACGAGAAAAGTCTCATTGTTGCAAGATGATGAGCTGGAAATGTCAAACCATGCGTGT
GTGTCAGTGTGACCTGTGGTGTGATGGTGAAGCCGACTGCTCAGACAGTTCAGATGAATGGGACTGTGGT
AGCTACTTGTGTTCTGCCATCTGTTGTAAGTCTCTCATGCCTGTGACCCACTGAAGCTGAATGGATCCTAAA
TTACTTCTGGATTTTACTGACCAAGTTCATCTATTTGTTTACTGTTATAAAAGCTGATAGTGTGAT
CTATGTGTGTTATTTCAAACCTCACAGAAAATTTCCCCACGAAGCTACTTCTATTTGAAATATCTATAT
TGTATGGAAAACGTTTGGGTTCAAATGTTGTA
    
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- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001278586
- 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_001278586.1](#), [NP_001265515.1](#)

RefSeq Size: 2442 bp

RefSeq ORF: 2205 bp

Locus ID: 10699

Cytogenetics: 4p12

Protein Families: Druggable Genome, Protease, Transmembrane

Gene Summary: This gene encodes a member of the type II transmembrane serine protease class of the trypsin superfamily. Members of this family are composed of multiple structurally distinct domains. The encoded protein converts pro-atrial natriuretic peptide to biologically active atrial natriuretic peptide, a cardiac hormone that regulates blood volume and pressure. This protein may also function as a pro-brain-type natriuretic peptide convertase. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2013]

Transcript Variant: This variant (3) lacks an in-frame internal exon and multiple 3' terminal exons, and its transcription extends past a splice site that is used in variant 1, resulting in a novel 3' coding region and 3' UTR compared to variant 1. The resulting isoform (3) is shorter; it lacks an internal segment and has a distinct C-terminus, compared to isoform 1.