

Product datasheet for **SC327667**

Mineralocorticoid Receptor (NR3C2) (NM_001166104) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mineralocorticoid Receptor (NR3C2) (NM_001166104) Human Untagged Clone
Tag:	Tag Free
Symbol:	Mineralocorticoid Receptor
Synonyms:	MCR; MLR; MR; NR3C2VIT
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001166104, the custom clone sequence may differ by one or more nucleotides

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ATGGAGACCAAAGGCTACCACAGTCTCCCTGAAGGTCTAGATATGGAAAGACGGTGGGGT
CAAGTTTCTCAGGCTGTGGAGCGTTCTTCCCTGGGACCTACAGAGAGGACCGATGAGAAT
AACTACATGGAGATTGTCAACGTAAGCTGTGTTCCGGTGCTATTCCAACAACAGTACT
CAAGGAAGCAGCAAAGAAAAACAAGAATACTCCCTTGCCTTCAGCAAGACAATAATCGG
CCTGGGATTTTAAACATCTGATATTTAAAAGTGAAGTGAATCTAAGGAACCTTCAGCAACT
GTAGCTGAGTCCATGGGTTTATATATGGATTCTGTAAGAGATGCTGACTATTCCTATGAG
CAGCAGAACCAACAAGGAAGCATGAGTCCAGCTAAGATTATCAGAATGTTGAACAGCTG
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TTGAGATCATTTATGTCTGACTCTGGGAGCTCCGTGAATGGTGGCGTCATGCGCGCGTT
GTTAAAAGCCCTATCATGTGTCATGAGAAAAGCCCGTCTGTTGCAGCCCTCTGAACATG
ACATCTTCGGTTTGCAGCCCTGTGGAATCAACTCTGTGTCTCCACCACAGCCAGCTTT
GGCAGTTTTCCAGTGCACAGCCCAATCACCCAGGGAACCTCTGACATGCTCCCCTAAT
GTTGAAAATCGAGGCTCCAGGTCGCACAGCCCTGCACATGCTAGCAATGTGGGCTCTCT
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GTAAAATCTCCAGTCTCCAGTCCCAATAATGCTACTCTGAGATCCTCTGTGTCTAGCCCT
GCAAAATTAACAACCTCAAGGTGCTCTGTTTCCAGCCCTTCGAACACTAATAACAGATCC
ACGCTTCCAGTCCGGCAGCCAGTACTGTGGGATCTATCTGTAGCCCTGTAACAATGCC
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GAACCAGATGGAGCTTTTAGCAGCTCATGTCTAGGAGGAAATAGCAAAATAAATTCGGAT
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GATGGTAACTGTGAAGGCAGCGGATTCAGTGGGATTAACAAGAACCAGATGATGGG
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CAGTCTTCCACTACAGGATTGGTGTCAAGGTACAATATCTTTATCACGATCGGCTAGA
GACCAATCTTTCCAACACCTGAGTTCCTTCTCTCTGCAATACTTTAGTGGAGTCATGG
AAATCACACGGCGACCTGTCGTCTAGAAGAAGTATGGGATCCGGTCTTAGAATACATT
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AAAATATGTTTGGTGTGTGGGATGAGGCTTCAGGATGCCATTATGGGGTAGTCACCTGT
GGCAGCTGCAAAGTTTTCTTCAAAGAGCAGTGGAAAGGCAACACAATAATTTATGTGCT
GGAAGAAATGATTGCATCATTGATAAGATTCGACGAAAGAATTGCCTGCTTGCAGACTT
CAGAAATGTCTTCAAGCTGGAATGAATTTAGGAGGATTTAAAACCTTGCCTTTGAGGAC
CAAATTACCCTAATCCAGTATTCTTGGATGTGTCTATCATCATTTGCCTTGAGCTGGAGA
TCGTACAAACATACGAACAGCCAATTTCTCTATTTTGCACCAGACCTAGTCTTTAATGAA
GAGAAGATGCATCAGTCTGCCATGTATGAACTATGCCAGGGGATGCACCAATCAGCCTT
CAGTTCGTTTCGACTGCAGCTCACCTTTGAAGAATACACCATCATGAAAGTTTTGCTGCTA
CTAAGCACAATTCCAAAGGATGGCTCAAAGCCAGGCTGCATTTGAAGAATGAGGACA
AATTACATCAAAGAACTGAGGAAGATGGTAACTAAGTGTCCCAACAATCTGGGCAGAGC
TGGCAGAGGTTCTACCAACTGACCAAGCTGCTGGACTCCATGCATGACCTGGTGAGCGAC
CTGCTGGAATTTGCTTCTACACCTTCCGAGAGTCCCATGCGCTGAAGGTAGAGTTCCCC
GCAATGCTGGTGGAGATCATCAGCGACCAGCTGCCAAGGTGGAGTCGGGGAACGCCAAG
CCGCTCTACTTCCACCGAAG
    
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Restriction Sites: Please inquire
ACCN: NM_001166104

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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none"> 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:	<u>NM_001166104.1</u> , <u>NP_001159576.1</u>
RefSeq Size:	5564 bp
RefSeq ORF:	2604 bp
Locus ID:	4306
UniProt ID:	<u>P08235</u>
Cytogenetics:	4q31.23
Protein Families:	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
Gene Summary:	<p>This gene encodes the mineralocorticoid receptor, which mediates aldosterone actions on salt and water balance within restricted target cells. The protein functions as a ligand-dependent transcription factor that binds to mineralocorticoid response elements in order to transactivate target genes. Mutations in this gene cause autosomal dominant pseudohypoaldosteronism type I, a disorder characterized by urinary salt wasting. Defects in this gene are also associated with early onset hypertension with severe exacerbation in pregnancy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the central coding region compared to variant 1, resulting in an isoform (2) that is shorter than isoform 1. Variants 2 and 3 both encode the same isoform (2). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>