

Product datasheet for **SC126270**

CORD2 (CRX) (NM_000554) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CORD2 (CRX) (NM_000554) Human Untagged Clone
Tag:	Tag Free
Symbol:	CORD2
Synonyms:	CORD2; CRD; LCA7; OTX3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_000554 edited
TAAATCTCCCATGTGAGGGGATGTGTTTCCTTCAGCCTCTGCTGTCTGGCCGCTCTGT
CTAGGTCTGGGCCACGGGAGAGCCCCGTCCTCTTTCTGAAGGCCCTGACTTGGGC
CTCAGTGTCCCGAAGATCATGATGGCGTATATGAACCCGGGGCCCCACTATTCTGTCAA
CGCCTTGGCCCTAAGTGGCCCCAGTGTGGATCTGATGCACCAGGCTGTGCCCTACCCAAG
CGCCCCAGGAAGCAGCGGGGAGCGCACCCACCTTACCCGGAGCCAACCTGGAGGAGCT
GGAGGCACTGTTTGCCAAGACCCAGTACCCAGACGTCTATGCCCGTGAGGAGGTGGCTCT
GAAGATCAATCTGCCTGAGTCCAGGTTTCAGGTTTGGTTCAAGAACCGGAGGGCTAAATG
CAGGCAGCAGCGACAGCAGCAGAAAACAGCAGCAGCAGCCCCAGGGGGCCAGGCCAAGGC
CCGGCCTGCCAAGAGGAAGGCGGGCACGTCCCCAAGACCTCCACAGATGTGTGCCAGA
CCCTCTGGGCATCTCAGATTCTACAGTCCCCCTCTGCCCGGCCCTCAGGCTCCCCAAC
CACGGCAGTGGCCACTGTGTCCATCTGGAGCCAGCCTCAGAGTCCCCTTTGCTGAGGC
GCAGCGGGCTGGGCTGGTGGCCTCAGGGCCGTCTGACCTCCGCCCCCTATGCCATGAC
CTACGCCCGGCCCTCCGTTTCTGCTCTTCCCCCTCCGCCTATGGGTCTCCGAGCTCTA
TTTCAGCGGCCTAGACCCCTACCTTTCTCCCATGGTGCCCAAGTACGGGGCCCCGGCTCT
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AGGCCAGAGCTATGGCGCCTACAGCCCCGTGGATAGCTTGAATTCAAGGACCCACGGG
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GGGTATGTTTAGGTGAGAATCACCGTGCCCTTGAACAAGCAGGTAGGGGGCTTGATAA
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TCTAGCCTGGGTACAAGAGCGAAACTCCGTCTCAATAATAACAACAACAAAAATAACCC
AGGAGTGGCTCAAGAGTCCAGTGTGGGATGAAAATATAACAGAGGAAGACAACATATGT
CACTGGGGAGGCTGGGGAGCTAGACAAAATTCACACGGGAGGGGAGGGATGAGACAAT
ATTGTCCCTGGGTCTGTGCAAACGTTGGGACCAGAATCCACTATAAGTTTCATTCTTCG
GAGACACGGAAGCTCTGCACTGGAGCCGGGACTCAGGCGTGGAAGAGAATCTTCTCCTT
ATTCACCGGGGAGGCTGTGCTTGTGCAAACAAGTCATAGAAACTTGATGGGAGTTGGGG
AGGGACTGAAGGATGCATGCAAGTTCTGGGAAGGAGTGAGAAGTAGTGAAGGCCAAGGG
GCCCCATCACAGGCCGATGGGGTAAGACTTCGAGAGAGCCTGATCCTGGGGTCTTCTGA
GACTCCACCAGGAGCCGGAGAGGGCAGGGAGCCAAATCCAGCTAGGAGGTTACAGATTGC
TTTTCTGGGCTGGGCTCCTGAGTGTGGTTCTTCCAGCTGTGCACAGGGGATTTCAAAC
GTTCTACGTCCTAAAGCCAGGAAGAGTGACAAGGCAGGTGGGGACAGAAGGAAGAAGCCA
GGAGCCTCCCTGAGAAGGTGTACCTTATCTGTCTCCTCTTCCCCACACACTGGCCTCT
GGTCCCCCTTCTGTCCACCCACAGAGTGAAACCAATTAATAATGTTGGATCTCAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
  
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_000554 unedited NTTGGGGTTTTGGATTTGTNATACGACTTACTATAGGCGGCCGCGNATTCAGATCTGGTA CCGGTCCGGAATCCCGGGATATCGTCGACCCACGCGTCCGGGCCGCTGTCTAGGTCC TGGGCCACGGGAGAGCCCGTCCCTCTTTCTGAAGGCCCCCTGACTTGGGCCTCAGTGT CCCCAGATCATGATGGCGTATATGAACCCGGGGCCCACTATTCTGTCAACGCCTTGG CCCTAAGTGGCCCCAGTGTGGATCTGATGCACCAGGCTGTGCCCTACCCAAGCGCCCCA GGAAGCAGCGGGGAGCGCACCACCTTCACCCGGAGCCAACTGGAGGAGCTGGAGGCAC TGTTTGCCAAGACCCAGTACCCAGACGTCTATGCCCGTGAGGAGGTGGCTCTGAAGATCA ATCTGCCTGAGTCCAGGGTTTCAAGTTCAGTTTGGTTCAAGAACCAGGAGGCTAAATGCAGGCAGC AGCGACAGCAGCAGAAACAGCAGCAGCAGCCCCAGGGGCCAGGCCAAGGCCCGGCCTG CCAAGAGGAAGCGGGCACGTCCCCAAGACCCTCCACAGATGTGTGTCCAGACCTCTGG GCATCTCAGATTCCTACAGTCCCCCTCTGCCCGGCCCTCAGGCTCCCCAACACGGCAG TGGCCACTGTGTCCATCTGGAGCCAGCCTCAGAGTCCCTTTGCCTGAGGCGCANC CTGGGCTGGTGGCCTCAGGGCCGTCTGACCTCCGCCCTATGCCATGACCTACGCC CGGCTCCGCTTTCTGCTCTTCCCCTCCGCTATGGGTCTCCGAGCTCCTATTTTCAGCG GCCTAGACCCCTACCTTTCTCCCTGGTGCCCCAGCTA
Restriction Sites:	NotI-NotI
ACCN:	NM_000554
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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:	NM_000554.2 , NP_000545.1
RefSeq Size:	2376 bp
RefSeq ORF:	900 bp

Locus ID:	1406
UniProt ID:	O43186
Cytogenetics:	19q13.33
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>The protein encoded by this gene is a photoreceptor-specific transcription factor which plays a role in the differentiation of photoreceptor cells. This homeodomain protein is necessary for the maintenance of normal cone and rod function. Mutations in this gene are associated with photoreceptor degeneration, Leber congenital amaurosis type III and the autosomal dominant cone-rod dystrophy 2. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some variants has not been determined. [provided by RefSeq, Jul 2008]</p>