

Product datasheet for **SC122558**

CRALBP (RLBP1) (NM_000326) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CRALBP (RLBP1) (NM_000326) Human Untagged Clone
Tag:	Tag Free
Symbol:	CRALBP
Synonyms:	CRALBP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_000326 edited
 TAGAGTCCAGGACATTCAGGTACCAGGTAGCCCCAAGGAGGAGCTGCCGACCTGGCAGG
 GAACAACCAAGACTGGGGTTAAATCTCACAGCCTGCAAGTGAAGAGAAGAACTTGAACC
 CAGGTCCAACCTTTTGGCCACAGCAGGCTGCCTCTTGGTCTGACAGGAAGTCACAACTT
 GGCCCTGACTTCCTATCCTAGGGAAGGGGCCGGCTGGAGAGGCCAGGACAGAGAAAGCAG
 ATCCCTTCTTTTTCCAAGGACTCTGTGTCTTCCATAGGCAACATGTCAGAAGGGGTGGC
 ACGTTCCGCATGGTACCTGAAGAGGAACAGGAGCTCCGTGCCAACTGGAGCAGTCCACA
 ACCAAGGACCATGGACCTGTCTTTGGCCGTGCAGCCAGCTGCCCGCCACACCTTGCAG
 AAGGCCAAGGATGAGCTGAACGAGAGAGAGAGACCCGGGAGGAGGCAGTGCAGAGCTG
 CAGGAGATGGTGCAGGCGCAGGCGGCTCGGGGGAGGAGCTGGCGGTGGCCGTGGCGGAG
 AGGGTGAAGAGAAGGACAGCGGCTTCTTCTGCGCTTCCATCCGCGCACGGAAGTTCAAC
 GTGGGCCGTGCCTATGAGCTGCTCAGAGGCTATGTGAATTTCCGGCTGCAGTACCCTGAG
 CTCTTTGACAGCCTGTCCCAGAGGCTGTCCGCTGCACCATTGAAGCTGGCTACCCTGGT
 GTCCTCTAGTCGGGACAAGTATGGCCGAGTGGTCATGCTTCAACATTGAGAACTGG
 CAAAGTCAAGAAATCACCTTTGATGAGATCTTGACAGGCATATTGCTTTCATCCTGGAGAAG
 CTGCTGGAGAATGAGAACTCAAATCAATGGCTTCTGCATATTGAGAACTTCAAGGGC
 TTTACCATGCAGCAGGCTGCTAGTCTCCGACTTCAGATCTCAGGAAGATGGTGGACATG
 CTCCAGGATTCCTTCCCAGCCGGTCAAAGCCATCCACTTCCATCCACCAGCCATGGTAC
 TTCACCACGACCTACAATGTGGTCAAGCCCTTCTTGAAGAGCAAGCTGCTTGAGAGGGTC
 TTTGTCCACGGGGATGACCTTTCTGGTTTCTACCAGGAGATCGATGAGAACATCCTGCC
 TCTGACTTCGGGGCAGCCTGCCAAGTATGATGGCAAGGCCGTTGCTGAGCAGCTCTTT
 GGCCCCCAGGCCAAGCTGAGAACACAGCCTTCTGAAAACATCTCCTGCCAGCTGAACTG
 TAGTTAGAATCTCTGGGCTCTCCTCACTGCTCCTGGACCAAGGCTAGGAAAGGGCTGC
 TTGAGATGACTGTGGTCCCCCTTAGACTCCCTAAGCCCGAGTGAGCTCAGGTGTACCC
 TGTCTCAAGTTGGGGATGGGGAATAAAGGAGGGGAATTCCCTTGAACAAGAAGAACT
 GGGGATAGTTATATTTCCACCTGCCCTTGAAGCTTTAAGACAGTGATTTTTGTGTAAGGT
 TGTATTTCAAAGACTCGAATTCATTTTCTCAATCATTTCTTTGTAAACAGAGTTTTACGA
 CTTAGAGTCTGTGAAAACAGGCAAGGAGCCGGTTAAAATATCCCCCTATTGCCCCCA
 AAATGCAATAAAAAGAAGATAAAAGAGAGAGGAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_000326 unedited
 AAATATGTTTANCATTTGTNATACGACTCACTATAGGGCGGCCGGAATTCGCACGAGGT
 AGAGCTCCAGNACATTACAGTACCAGGTAGCCCCAAGGAGAGCTGCCGACCTGGCAGGGA
 ACAACCAAGACTGGGGTTAAATCTCACAGCCTGCAAGTGAAGAGAAGAACTTGAACCCA
 GGTCCAACCTTTTGGCCACAGCAGGCTGCCTCTTGGTCTGACAGGAAGTCACAACTTGG
 CCCTGACTTCCTATCCTAGGGAAGGGGCCGGCTGGAGAGGCCAGGACAGAGAAAGCAGAT
 CCCTTCTTTTTCCAAGGACTCTGTGTCTTCCATAGGCAACATGTCAGAAGGGGTGGGCAC
 GTTCCGCATGGTACCTGAAGAGGAACAGGAGCTCCGTGCCAACTGGAGCAGCTCACAAC
 CAAGGACCATGGACCTGTCTTTGGCCGTGCAGCCAGCTGCCCGCCACACCTTGCAGAA
 GGCCAAGGATGAGCTGAACGAGAGAGAGAGACCCGGGAGGAGGCAGTGCAGAGCTGCA
 GGAGATGGTGCAGGCGCAGGCGGCTCGGGGGAGGAGCTGGCGGTGGCCGTGGCGGAGAG
 GGTGCAAGAGAAGGACAGCGGCTTCTTCTGCGCTTCCATCCGCGCACGGAAGTTCAACGT
 GGGCCGTGCCTATGAGCTGCTCAGAGGCTATGTGAATTTCCGGCTGCAGTACCCTGAGCT
 CTTTGACAGCCTGTCCCAGAGGCTGTCCGCTGCACCATTGAAGCTGGCTACCCTGGTGT
 CCTCNTCTAGTCGGACAAGTATGGCCGAGTGGTCATGCTTTCACATTGAGAACTGGGCA
 AGTCAAGAAATCACCTTTGATGAGATCTTGCAGGCATATTGCTTTCATCCTGGAGAAGCTG
 CTG

Restriction Sites: Please inquire

ACCN: NM_000326

Insert Size: 1679 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:	<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_000326.3 , NP_000317.1
RefSeq Size:	1764 bp
RefSeq ORF:	954 bp
Locus ID:	6017
UniProt ID:	P12271
Cytogenetics:	15q26.1
Protein Families:	Druggable Genome
Gene Summary:	The protein encoded by this gene is a 36-kD water-soluble protein which carries 11-cis-retinaldehyde or 11-cis-retinal as physiologic ligands. It may be a functional component of the visual cycle. Mutations of this gene have been associated with severe rod-cone dystrophy, Bothnia dystrophy (nonsyndromic autosomal recessive retinitis pigmentosa) and retinitis punctata albescens. [provided by RefSeq, Jul 2008]