

## Product datasheet for **MC201504**

### Crx (NM\_007770) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Crx (NM_007770) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Crx
Synonyms:	Crx1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC016502 sequence for NM\_007770  
 GACACCATCCAGTACCTGAACATCCAGGAGAGTCCCCATTTCTCCTTTCCAAAGGTGCCCTCATCTGGGC  
 CACAGTCTCTGAAGATCATGATGGCATATATGAACCCGGGGCCTCACTATTCAGTCAATGCCTTGGCTCT  
 GAGTGGCCCAATGTGGACCTGATGCACCAGGCTGTCCATACTCAAGTGCCCTAGGAAGCAGCGGCGG  
 GAGCGGACCACATTCACCAGGAGCCAGCTGGAGGAGCTGGAGGCCCTGTTTGCCAAGACCCAGTACCCGG  
 ATGTGTATGCACGTGAGGAGGTTGCTCTTAAGATCAATCTGCCTGAGTCCAGGGTCCAGGTCTGGTTCAA  
 GAATCGTAGGGCAAATGCAGACAGCAGCAGCAGCAAAACAGCAACAGCAGCCCCGGGGGCACAG  
 ACCAAGGCTCGTCTGCGAAGAGGAAGGCAGGGACATCCCCGAGACCCTCTACAGATGTTTGACAGATC  
 CTTTGGGCATCTCAGATTCTTACAGCCATCTCTGCCTGGCCCTCAGGTTACCTACCACAGCAGTGGC  
 CACCGTGTCCATTTGGAGTCCAGCCTCAGAGGCTCCTTTGCCTGAGGCCAGAGAGCCGGCTAGTGGCT  
 TCTGGGCCCTCTCACCTCAGCCCTTATGCCATGACCTATGCCCGGCTTCTGCTTTCTGTTCTTCCC  
 CTTTCCAGCTTATGCATCTCCAAGTTCCTATTTTCAAGTGGGTTGGATCCCTACCTTTCCGCCATGGTCCCCA  
 ACTTGGGGTCCGGCTCTCAGCCCTCTCAGGCCCTCTGTGGGGCCATCCCTGGCCAGTCCCCACC  
 TCCTTGTGACGGCCAGAGCTATAGCACCTACAGTCTGTGGACAGCCTGGAATTAAGGACCCACAGGCA  
 CCTGGAATTTACCTACAATCCCATGGACCCTCTGGACTACAAAGATCAGAGTGCCTGGAAGTTTACAGAT  
 CTGTGATAAGGGCTTCATATCCCCCTTCCAGCGGAATCACTCTTTCTGGACTCAAGCTGTCTCTCCCA  
 GCTTAGATTCCAGGAGAGTAGCTCTCAGCAAGCAACAGCAAGTAGCAATCCTGCCAAAGGCTGTGAACCA  
 TTCAGCCTCAGGTGTTTCTACCCTCAGCTCCTTTAGAGAGCTTAGCCCTTTACAGCATACCCCAAGCA  
 ATGAAAGTGGCTCCTTCTCTCAAGACAGCCAGCAGCAGTACAGGTATGACTGATGTGCATA  
 TCTGATGCTTTTCCCAAGTCTTCCGTAAGGTGCTGAGAACTGCTCTGGAGAAAAGGAAATCTGTCTT  
 GCAATGACTTGGAGAATGTTTGGCTTAGAACTCCGGTGGCTGAGCCAGGTGTGTTGACTGACTCAAT  
 GGTCATAATCCAGCATGAAAGAAGATGAGGCAGGAGGATTGCTGGAACTTGGGCCAGCCTGGACTAC  
 AAAGTGAACCTCCAAATTCATTTGGAAAACGTATACAGTTAAAGTTAATAAACATCAGGTTTACATGTT  
 AGGTTTAGGGGATCATTCAATTTGAACATGTATATGATTTAAATGTATATATGATTTATGTGTCTGTCT  
 GTGTGTTACAGACATGACCACTAAACTGAGCTGGGATGCTGTGGCTTGTATAAAAAACAAATGCAAAAGA  
 AGCTTGATGTGGATATTGGGGAGGACTTGAAGATAAATAGAATGTTCTAGAGCCCAAGATGCCCCGTC  
 AGAGGTTCTAGGGTTAGATTGAGGGGGACAAGTGTGAAGTCTTCCAGATGCCATAGGAGTTGAATC  
 TCAAGAGGCTGGAAGTCTTATTCATGGGTATACCTGGGTAAAGGACTTTTAGAAATCCATAGAGTATGTC  
 TAATGTCTTAGTTAGTCTTAGTCCAATGCCTTTCTATTCTGCACAAACATCATGATCAAGAAGCGAGTT  
 GGGGAGGAAAAGGTTTATTTAGCTTATACTTTTACAATGTTGGTCATCACCAAAGGAAGGCAGAAGTGG  
 AACTCAAGCAGGTGAGGAAGCAGGAGCTGATGTAGAGGCCATGGAGGGATGTTACTTACTGGCTTGCTTC  
 CTCTGACTTGCTCAGTTTCTTATAGAACCAAGACTACCAGCCAGGGATGGCACCACCCACAAGGGGC  
 CCTCCCGTCTTGATCACTAATTGAGAAAATGCCTTATAGCCGGATCTCATGGAGGCAATTTCTCACTGA  
 AGCTCCTTTCTCTGTGATAACTTAGCTTGTGTTATCAAAACCAGCCAGTACACCAATATTCTTTTAA  
 AAAAGATTTTATATGAGTACACATTAGCTATCTCCAGACACACCAGGAAAGGGCATGGATCTCATTACAG  
 ATAGTTGTGAGCCACCACATAGTTACTGGAAATGAACCTAGGACTTCTGGAAGAGCAGTCAATGTTCTT  
 AATTGTGAGTCATCTCTCCAGTCCATGGACATATTCTATTTTATAAACCAGGAGTGTGGCACATGCTT  
 GTGATTTCAACACGAGGGAGGTAGAGGCAGAAGGACAATGAGTTCAAGGTCATTCTAGGCTACAATGCAA  
 GTTTGGAGCCAGCCTGGGCTACATAAAACCCTGTTGCACTCCACCCCTGCAAATCCTTCTTTCCAAGCC  
 ACAAGGCTGATAAGGCAGATGGACATAGAATGAGGAGTTCAGGAGTTCCCTCATTTAATGTTAGCTTCT  
 CTGTTCTCTTCTTCTTCTTACTAGCCTATCAGGTCTCCCTTCCCTGGCTACCCAGAGTAAAAGTATT  
 AAAAAATGTGGATCCCACTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_007770  
**Insert Size:** 900 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC016502</a> , <a href="#">AAH16502</a>
<b>RefSeq Size:</b>	2845 bp
<b>RefSeq ORF:</b>	900 bp
<b>Locus ID:</b>	12951
<b>UniProt ID:</b>	<a href="#">O54751</a>
<b>Cytogenetics:</b>	7 8.6 cM
<b>Gene Summary:</b>	<p>Transcription factor that binds and transactivates the sequence 5'-TAATC[CA]-3' which is found upstream of several photoreceptor-specific genes, including the opsin genes. Acts synergistically with other transcription factors, such as NRL, RORB and RAX, to regulate photoreceptor cell-specific gene transcription. Essential for the maintenance of mammalian photoreceptors.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the more predominant transcript and encodes the shorter isoform (1).</p>