

## Product datasheet for MR204176

### Crx (NM\_007770) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Crx (NM_007770) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Crx
Synonyms:	Crx1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204176 representing NM_007770 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGGCATATGAACCCGGGGCCTCACTATTCAGTCAATGCCTTGGCTCTGAGTGGCCCAATGTGG  
ACCTGATGCACCAGGCTGTCCATACTCAAGTGCCCTAGGAAGCAGCGGGGAGCGGACCACATTCAC  
CAGGAGCCAGCTGGAGGAGCTGGAGGCCCTGTTTGCCAAGACCCAGTACCCGGATGTGTATGCACGTGAG  
GAGGTTGCTCTTAAGATCAATCTGCCTGAGTCCAGGTCCAGGTCTGGTTCAAGAATCGTAGGGCGAAAT  
GCAGACAGCAGCGACAGCAGCAAACAGCAACAGCAGCCCCGGGGGCACAGACCAAGGCTCGTCCTGC  
GAAGAGGAAGGCAGGGACATCCCCGAGACCCCTCTACAGATGTTTGTACAGATCCTTTGGGCATCTCAGAT  
TCTTACAGCCATCTCTGCCTGGCCCTCAGGTTACCTACCACAGCAGTGGCCACCGTGTCCATTTGGA  
GTCCAGCCTCAGAGGCTCCTTTGCCTGAGGCCAGAGAGCCGGCCTAGTGGCTTCTGGGCCCTCTCTCAC  
CTCAGCCCTTATGCCATGACCTATGCCCGGCTTCTGCTTTCTGTTCTTCCCCTCAGCTTATGCATCT  
CCAAGTTCCTATTTAGTGGGTTGGATCCCTACCTTTCGCCCATGGTGCCCAACTTGGGGTCCGGCTC  
TCAGCCCCCTCTCAGGCCCTCTGTGGGCCATCCCTGGCCAGTCCCCACCTCCTTGTAGGCCAGAG  
CTATAGCACCTACAGTCTGTGGACAGCCTGGAATTCAGGACCCACAGGCACCTGGAATTTACCTAC  
AATCCCATGGACCCTCTGACTACAAAGATCAGAGTGCCTGGAAGTTTCAGATCTTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >MR204176 representing NM\_007770  
Red=Cloning site Green=Tags(s)

MMA YMNP GPHYSV NALALSGPNVDLMHQAVPYSSAPRKQRRERTTFTRSQLEELEALFAKTQYPDVYARE  
 EVALKINLPESRVQVWFKNRRRAKCRQQRQQKQQQPPGAQTKARPAKRKAGTSPRPSTDVCTDPLGISD  
 SYSPSLPGPSGSPPTTAVATVSIWSPASEAPLPEAQRAGLVASGPSLTSAPYAMTYAPASAFCSPPSAYAS  
 PSSYFSGLDPYLSPMVPQLGGPALSPLSGSPVSGPSLAQSPTSLSGQSYSTYSPVDSLEFKDPTGTWKFTY  
 NPMDPLDYKQSAWKFAQIL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_007770

**ORF Size:** 897 bp

**OTI Disclaimer:** 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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_007770.4](#)

**RefSeq Size:** 2848 bp

**RefSeq ORF:** 900 bp

**Locus ID:** 12951

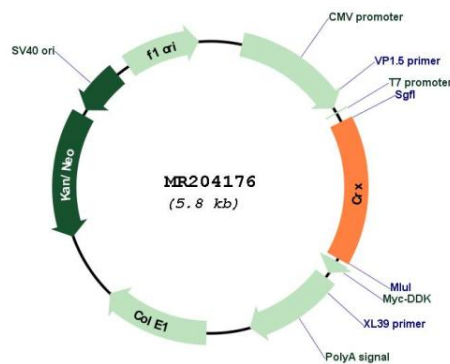
**UniProt ID:** [O54751](#)

**Cytogenetics:** 7 8.6 cM

**MW:** 32.8 kDa

**Gene Summary:** 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]

## Product images:



Circular map for MR204176