

Product datasheet for **MG204176**

Crx (NM_007770) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Crx (NM_007770) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Crx
Synonyms: Crx1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG204176 representing NM_007770
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATGGCATATGAACCCGGGGCCTCACTATTCAGTCAATGCCTTGGCTCTGAGTGGCCCAATGTGG
 ACCTGATGCACCAGGCTGTCCATACTCAAGTGCCCTAGGAAGCAGCGGGGAGCGGACCACATTCAC
 CAGGAGCCAGCTGGAGGAGCTGGAGGCCCTGTTTGCCAAGACCCAGTACCCGGATGTGTATGCACGTGAG
 GAGGTTGCTCTTAAGATCAATCTGCCTGAGTCCAGGGTCCAGGTCTGGTTCAAGAATCGTAGGGCGAAAT
 GCAGACAGCAGCGACAGCAGCAGAAACAGCAACAGCAGCCCCGGGGGCACAGACCAAGGCTCGTCCTGC
 GAAGAGGAAGGCAGGGACATCCCCGAGACCCCTCTACAGATGTTTTGTACAGATCCTTTGGGCATCTCAGAT
 TCTTACAGCCCATCTCTGCCTGGCCCTCAGGTTACCTACCACAGCAGTGGCCACCGTGTCCATTTGGA
 GTCCAGCCTCAGAGGCTCCTTTGCCTGAGGCCAGAGAGCCGGCCTAGTGGCTTCTGGGCCCTCTCTCAC
 CTCAGCCCTTATGCCATGACCTATGCCCGGCTTCTGCTTTCTGTTCTTCCCCTCAGCTTATGCATCT
 CCAAGTTCTATTTAGTGGTTGGATCCCTACCTTTCGCCCATGGTGCCCAACTTGGGGTCCGGCTC
 TCAGCCCCCTCTCAGGCCCTCTGTGGGCCATCCCTGGCCAGTCCCCACCTCCTTGTAGGCCAGAG
 CTATAGCACCTACAGTCTGTGGACAGCCTGGAATTCAGGACCCACAGGCACCTGGAATTTACCTAC
 AATCCCATGGACCCTCTGACTACAAAGATCAGAGTGCCTGGAAGTTTCAGATCTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG204176 representing NM_007770
Red=Cloning site Green=Tags(s)

MMAYMNPGRAPHYSVNALALSGPNVDLMHQAVPYSSAPRKQRRERTTFTRSQLEELEALFAKTQYPDVYARE
 EVALKINLPESRVQVWFKNRRACKRQQRQQKQQQPPGAQTKARPAKRKAGTSPRPSTDVCTDPLGISD
 SYSPSLPGSPGSPPTTAVATVSIWSPASEAPLPEAQRAGLVASGPSLTSAPYAMTYAPASAFCSPPSAYAS
 PSSYFSGLDPYLSPMVPQLGGPALSPLSGSPVGPSLAQSPSTLSGQSYSTYSPVDSLEFKDPTGTWKFTY
 NPMDPLDYKQSAWKFQIL

TRTRPLE - GFP Tag - V

Restriction Sites:

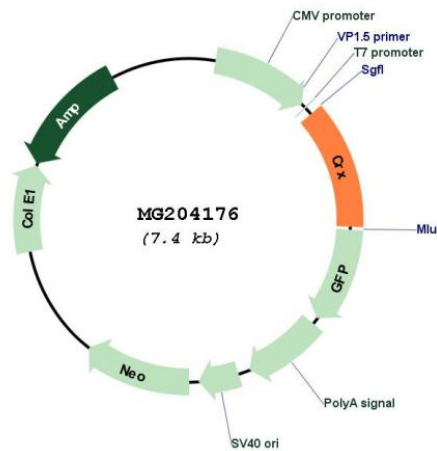
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



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:	<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_007770.4
RefSeq Size:	2848 bp
RefSeq ORF:	900 bp
Locus ID:	12951
UniProt ID:	O54751
Cytogenetics:	7 8.6 cM
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]