

Product datasheet for MR223029

Crx (NM_001113330) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Crx (NM_001113330) 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:	>MR223029 representing NM_001113330 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCAGTGGTTAAGAACACTGACTGCTCTTTCAAAGGTGCCCTCATCTGGGCCACAGTCTCTGAAGA
TCATGATGGCATATATGAACCCGGGGCCTCACTATTCAGTCAATGCCTTGGCTCTGAGTGGCCCCAATGT
GGACCTGATGCACCAGGCTGTCCATACTCAAGTGCCCTAGGAAGCAGCGGGGAGCGGACCACATTC
ACCAGGAGCCAGCTGGAGGAGCTGGAGGCCCTGTTTGCCAAGACCCAGTACCCGGATGTGTATGCACGTG
AGGAGGTTGCTCTTAAGATCAATCTGCCTGAGTCCAGGGTCCAGGTCTGGTTCAAGAATCGTAGGGCGAA
ATGCAGACAGCAGCGACAGCAGCAGAAACAGCAACAGCAGCCCCGGGGCAGACACCAAGGCTCGTCTCT
GCGAAGAGGAAGGCAGGGACATCCCCGAGACCCCTACAGATGTTTGTACAGATCCTTTGGGCATCTCAG
ATTCTTACAGCCCATCTCTGCCTGGCCCCCTCAGGTTACCTACCACAGCAGTGGCCACCCTGTCCATTTG
GAGTCCAGCCTCAGAGGCTCCTTTGCCTGAGGCCAGAGAGCCGGCTAGTGGCTTCTGGGCCCTCTCTC
ACCTCAGCCCCTATGCCATGACCTATGCCCGGCTTCTGCTTTCTGTTCTTCCCCTCAGCTTATGCAT
CTCCAAGTTCTATTTCAAGTGGGTTGGATCCCTACCTTTCGCCATGGTGCCCAACTGGGGGTCCGGC
TCTCAGCCCCCTCAGGCCCTCTGTGGGGCCATCCCTGGCCAGTCCCCACCTCCTTGTGAGGCCAG
AGCTATAGCACCTACAGTCTGTGGACAGCCTGGAATTCAGGACCCACAGGCACCTGGAAATTTACCT
ACAATCCCATGGACCCTCTGGACTACAAAGATCAGAGTGCCTGGAAGTTTCAGATCTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR223029 representing NM_001113330
Red=Cloning site Green=Tags(s)

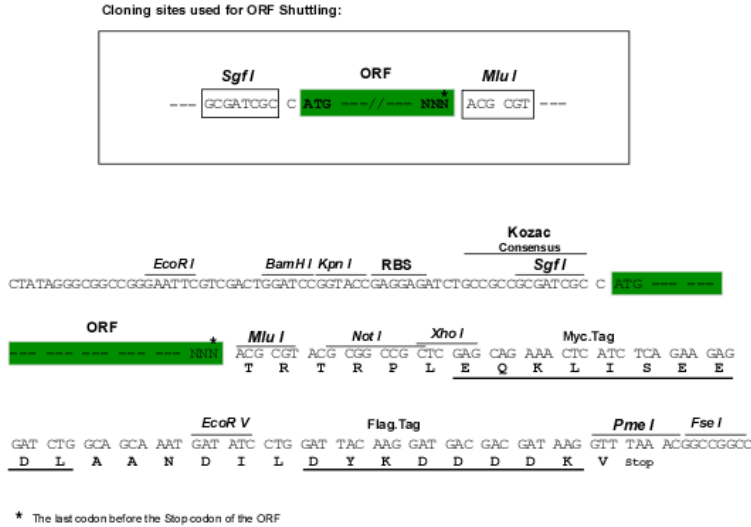
MAQWLRTLALSKVPSSGPQSLKIMMAYMNPMPHYSVNALALSGPNVDLMHQAVPYSSAPRKQRRERTTF
 TRSQLEELEALFAKTQYPDVYAREEVALKINLPESRVQVWFKNRRAKCRQQRQQKQQQPPGAQTKARP
 AKRKAGTSPRPSTDVCTDPLGISDSYSPSLPGPSGSPPTAVATVSIWSPASEAPLPEAQRAGLVASGPSL
 TSAPYAMTYAPASAFSSPSAYASPSYFSGLDPYLSPMVPQLGGPALSPLSGPSVGPLSAQSPTSLSGQ
 SYSTYSPVDSLEFKDPTGTWKFTYNPMDPLDYKDQSAWKFQIL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9075_a09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001113330

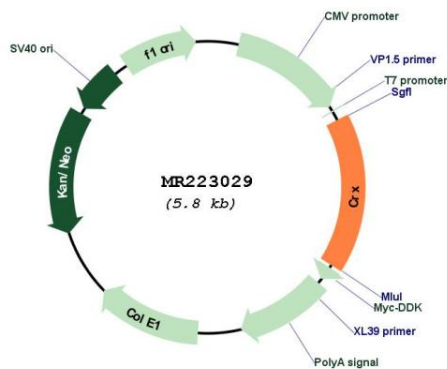
ORF Size: 969 bp

OTI Disclaimer: 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.

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:	<u>NM_001113330.1</u> , <u>NP_001106801.1</u>
RefSeq Size:	2903 bp
RefSeq ORF:	972 bp
Locus ID:	12951
UniProt ID:	<u>O54751</u>
Cytogenetics:	7 8.6 cM
MW:	35 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 MR223029