

Product datasheet for MC224142

BC027072 (NM_146082) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	BC027072
Synonyms:	MGC38716
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224142 representing NM_146082 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGTGACGCCATCACACAACGTCACTCGTCAACAGCGTTGCGAAGAGTGCGATTTCAGTTTTTAAGA
AGCCAAAAGCAATTTTGCCAGGATGTCACTGGGGCAGCCCCAAATGCCCATCCCTTTGCTGGTTCAAAG
TTCCACTTTCTGTGACTCTGGTGGCGAGTTGCACCTGGGAGAGAGGCTGGTAGAGGAGACAGTGTCAAGT
TCCAAGAAGCTGCAGGCCATGGCTGAAGGTGTTCTGTCAGCTCCCAAAGCTATGGAAGGTCTGATTCCAG
AAAGCCAAACCTTCCAGGTGAACAAACCACAAGGCCACAGGGCTACGGACATTTTCATTACAGGACAGAAGG
CTCCCACGGGACACAGGAAGTAGATTTCTCTGGGAAAGAGAGTAAGGAGAACAACCTCCCAGGAGACCTCC
AAGGGGAACAGAGAGTCACTGTGCCATCAACCAGACAGCCAGGACCATTCGCGCAATCGGCTACTGAGT
CAAAGGGCAGAGTGGATTTCCCTGAGCCCCCTGGTAAAGGCCACCAGCATGCTTATGCCTACCTGCACAC
CAGCCTTTCCAGATACGAAGCCATTGTGCGCCTCGTCCAGCAAGCCAGCCAGACCTGGGGGCTGTGCGA
CCCATGCTCAACTTCTGCTGTGCTTCGAGGAAGCCGGCCAGCTTCTGAGCGAAATCTCTAAAGATG
GAGATGTGCTCCTCCAGGAAGTTCGAGGGGATCTGGCGTGGCCACTGAGGAAAGGTGAGCCCTGGGAACA
ACACCCAGACCTCCTGCAACAGCTGCTGCAGTACACAGTACAGCAAGCTGCGGGCGCTCCACGGCACAGTG
GCTGCCCTCACCGGGAGCTTCTTGAGGGGCTCCAGCAGCTGTCTCAGATCCACTGCGGCCACCTGGAAG
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CAGCAGCCACGGTGACGAGGGCTGCTGGGTCCACCCTTATGCTCTGAGGACAGTGGCATCGGTGCTGAC
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AATGGAAGCCAGGGACTGCAGCCCAAGTGGAGGCCAGGCCTTCAGGGCACGCCTGGCAGGAAGGTCCATA
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GTGCAAGATGAAGCCAGGAGCGCAGCACTTCCGGCGCAGGCGCAGAAGCAGTCACTCCGGGCCTTCAG
AGGCTGCCGAAAGCCTTCCGTGGGACTCTCTGGGGGCTGAGATTCTGTGCGGACACCACTTCTCGAAG
CTCTGGGTTGACGGATGCTCCATCCCTGAGTGAAGAGGAAGACTGCAGCCAGAGGAAGAAGATGAACCT
AGCAGCACCGACCTGCACCCTGAGCCACAGAAAGCCCTACCTTCAAGACCAGGTCCTCACCTGACACGC



GGGAAAGCCTCTTTCAGCCGTAAGGAGCTTAGGAACCCCAAGGCCAGGAAATGATTCTGAAGAT
GAAAGAGGCCATCAGCGAAAGGATCAAGTTTGTCCCGAGCCTTCCAGACCCCAAGGACTGGACTGAGGAG
GAGGAAGGGGGAACAGTGGTCCCTCCAAGACCCAGATCAGTCAGTGGCAGCAGGGGGGCCCTGAGAGAC
AAAGGAGGTGCAATCAGAGGGATGCTGAAGAGCCAGCTGGAAAGACCCCAACCTCCAGAACTGAGGAG
GGTCCAGACAGACCTCAGTAGGAGGCTGGAGGTATTTATGCCCTGGGTGCCACAGGCAGGGGCAGAGC
CGGGAACGATGTCTGCCGTCCAGGGCATCAGTGCTATGGCCCCCACTGCAGGGTGAGTCCCAGTA
GTGCCATCAGCAAGTTCAAGGCCTCTGACCCAAAATTCAGCATTTTGCCCAATCAAGACAAGAGCAT
CTTTCAAAAAGGTAGTCCCTGCTTTGACGGTGAGCAGCCCTGCCAGGGGAAGGCTGAAAAGCTGCCAAAT
GCCATCTTTTGTGGCAAGAAGAGCGGTAGGGCTCCAGGGACAACGAACGGGACATCAGGGCCTGTCCCA
CCAGACCATCGGTAAAGACGCTATTGAGACGTTCACTGAGAGCCTGAGGATGCCAGGAACTG
TAGGAACCTGGGGTCAAGCCCTGCCTCAGGAAATGGGGGGTTCCTGCCATGCCTCCAGATTTCCTATT
TACAGGGGGCTAGCCCCCTGTATTCTAAGCCCCAGATTTCTCCAGCAGCAGGCTGGAGGCCCTTCTGCAC
CCTTTCCCTCCCTCTAGCTGAAGTGTCTGAGAGTGAAGACATTAGCGGTGACGTGGAGGAGGACCT
AGAGAACCTCCACCACCCTCTGGAAGTCTGATGGACAAATCCTTCGCTGCTCTGGAGTGTCCAGAA
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AAAGAACATGGGTTTCCCTAGGCTGAAAGCCTCCATGAGCCCCATGGACTTGCTCCCAAGCAAGGCAG
TGGCAGCTCCCGAGGCTACACAGCACTAGATCCGGGAGCACCAGGATTGTGGGCGATTCCAGAAAGTTG
ACCTTGGACCTGAACCTAAGCAACAGCTAGCCCAAGCTCAGAGGCAAGAGCAGGGCTCAGATTACAGG
CCCAGCAGAGACTATAGCAGGCTTCTCAAGCAGCACCAGAAGGGGATTCCCTGGCACCACCAACCC
TACACCTGGGCAAGCAGGACGTTGGAGCCAGCCTGGCCAGGTTTTACAGAGACCCACACTCTTCAGAA
GCGTCCAGAAAGGGTCCAGAGAGAAGCCTTCCAGAGTCAGAAAGGCCCTCTCCCAAGAGCACAGTGGG
CATCCCAAGGGGACAGGAGGCTGCAGAGCCTGCCCTCCAGTCATGGACCATCCAGCCGGGCTCCCTGC
TGTCTCAGCTCCCCAGCCCTCTCTGAGCCCCAGGACCTGAGCCCAAGCCACAAGAAAACTACT
TCCCCACCATGCCAGCACCAGCAGTCCAACCCAGCCCCAGGGAGCCCTCCTGTCCGACGGACAGAAACAA
ACACCCCTCTCTGCCTCCTGTTTCATCCCCCTCAGTGTCTCCATCACGGGGGTCCAAGGACTCAATTCA
CTCTGAGGACAGTGAAGTACCACAGCCAAAGCATCCAGGAACACGTGTTCCATATTCTATCCAGCCGCC
ACTTCTCTCTTTGAAGCTAAATCTTCATCTCAACATCCCATCCACAGATGCTGCCAGAACCTGGGGGCC
TTTTGAGGACCCCAACAGGAGGCTGGAGGGGACGCTCGGGGACGCACTGAGGGCAGACTCACAGAAGAG
AACGGTGTGAATGCCCTCAACCCCTGCCTTTTGTGCAAGGACAGCTTCAGACCGCCAGCGCCAGCAG
GGCGACCAGCTTCAAGAGTCCCGCTCAGACTGGGAATTCCATTCTGCCAAAACAGCAGCAGCAGCAGCA
GCAGTGAGGAGAACCCCAAGCAAGAACTCCACCTTGAACAACCTCAGAGTCCAGAACTGCAGGGTAG
TAGCACCAGCGGGCATCTCCTTTGGAGCTCTGTGTGCTGGGCCATGGGCTGCAGCCAGAAGCCCAATG
AACCGCGGCCAGGACAGACCCAGCCAGAGTCACAGCCCCAGCACAAGGAAATATCTTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_146082

Insert Size:

3840 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_146082.3</u> , <u>NP_666194.2</u>
RefSeq Size:	5085 bp
RefSeq ORF:	3840 bp
Locus ID:	225004
UniProt ID:	<u>Q6PAC4</u>
Cytogenetics:	17 E1.3
Gene Summary:	Plays an essential role for normal photoreceptor cell maintenance and vision. [UniProtKB/Swiss-Prot Function]