

Product datasheet for RN213308

Opn1mw (NM_053548) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Opn1mw (NM_053548) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Opn1mw
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN213308 representing NM_053548
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCCCAACAGCTTACAGGTGAACAGACACTGGACCATTATGAGGATAGCACCCAGGCAAGCATCTTCA
 CCTATACCAACAGCAACAGCACCAGAGGTCCCTTTGAAGGTCCAATTATCACATTGCTCCAAGGTGGGT
 GTACCACCTCACCAGCACCTGGATGATTCTTGTGGTCATTGCATCTGTCTTACAAATGGACTCGTGCTG
 GCAGCCACCATGAGGTTCAAGAAGCTGCGTCATCCTCTGAACTGGATTCTAGTGAACCTGGCAGTTGCTG
 ACCTAGCAGAGACCATTATTGCCAGCACTATCAGTGTGTGAACCAAATCTATGGCTACTTTGTGCTGGG
 CCACCCTCTGTGTGCATAGAAGGCTACATTGTCTCACTATGTGGGATCACAGGCCTCTGGTCTTGGCC
 ATCATTTCCTGGGAGAGATGGCTGGTGGTCTGCAAGCCCTTTGGCAATGTGAGATTTGATGCTAAACTGG
 CCACTGTGGGAATCGTCTTCTCCTGGGTCTGGGCTGCTGTATGGACGGCCCCACCAATCTTTGGTTGGAG
 CAGGACTGGCCTTATGGCCTGAAGACATCGTGTGGTCCAGACGTGTTCCAGCGGTACCTCGTATCCTGGG
 GTTCAGTCTTATATGATGGTCTCATGGTCACGTGCTGCATCTTCCCACTCAGCATCATCGTCTGCTGCT
 ACCTCCAAGTGTGGCTGGCCATCCGAGCAGTGGCAAAGCAACAGAAAGAATCTGAGTCCACCCAGAAGGC
 TGAGAAGGAGGTGACACGCATGGTGGTGGTGGTCTTTCGCATACTGCCTCTGCTGGGGCCCTATACT
 TTCTTTGCATGCTTTGCTACTGCCATCCTGGCTATGCCTTCCACCCTCTTGTGGCTCCCTACCATCCT
 ACTTTGCCAAAAGTGCCACTATCTACAATCCCATTATCTATGTCTTTATGAACCGGCAGTTTCGAAATTG
 CATCTTACAGCTCTTTGGAAAGAAAGTTGATGATAGCTCTGAACTTTCAGCACCTCCAAAACAGAAGTC
 TCATCTGTCTCTTCAGTGTACCTGCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_053548
 Insert Size: 1080 bp



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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:	<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_053548.1 , NP_446000.1
RefSeq Size:	1080 bp
RefSeq ORF:	1080 bp
Locus ID:	89810
UniProt ID:	O35476
Cytogenetics:	Xq37
Gene Summary:	a green visual pigment fo the retina; involved in color vision [RGD, Feb 2006]