

Product datasheet for **MC201484**

Opn1mw (NM_008106) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Opn1mw (NM_008106) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Opn1mw
Synonyms:	Gcp
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC014826 sequence for NM_008106
 CAGAGACAGTTTTCTACAGCCATGGCCAAAGGCTTACAGGTGAACAGACACTGGACCCTATGAGGATA
 GCACCCATGCAAGCATCTTCACCTATACCAACAGCAACAGCACCAAAAGGTCCTTTGAAGGCCCAATTA
 TCACATTGCTCCCAGGTGGGTGTACCACCTCACCAGCACCTGGATGATTCTTGTGGTCGTTGCATCTGTC
 TCACTAATGGACTTGTGCTGGCAGCCACCATGAGATTCAAGAAGCTGCGCCATCCACTGAACTGGATTC
 TGGTGAACCTGGCAGTTGCTGACCTAGCAGAGACCATTATTGCCAGCACTATCAGTGTGTAACCAAAAT
 CTATGGCTACTTCGTTCTGGGACACCCTCTGTGTGTCATTGAAGGCTACATTGTCTCATTGTGTGGAATC
 ACAGGCCCTCTGGTCCCTGGCCATCATTTCTGGGAGAGATGGCTGGTGGTCTGCAAGCCCTTTGGCAATG
 TGAGATTTGATGCTAAGCTGGCCACTGTGGGAATCGTCTTCTCCTGGGTCTGGGCTGCTATATGGACGGC
 CCCACCAATCTTTGGTTGGAGCAGTACTGGCCTTATGGCCTGAAGACATCCTGTGGCCAGACGTGTTCC
 AGCGGTACCTCGTACCCGGGGTTCAGTCTTATATGATGGTCCTCATGGTCACGTGCTGCATCTTCCCAC
 TCAGCATCATCGTCTGCTACCTCCAAGTGTGGCTGGCCATCCGAGCAGTGGCAAAGCAACAGAAAGA
 ATCTGAGTCCACTCAGAAGGCCGAGAAGGAGGTGACACGCATGGTGGTGGTATGGTCTTTCGCATACTGC
 CTCTGCTGGGGACCCTATACTTTCTTTGCATGCTTTGCTACTGCCACCCTGGCTATGCCTTCCACCCTC
 TTGTGGCTCCCTACCATCCTACTTTGCCAAAAGTGCCACTATCTACAACCCATTATCTATGTCTTTAT
 GAACCGGCAGTTTCGAACTGCATCTTACATCTCTTTGGAAAGAAGTTGATGATAGCTCTGAACTTTCC
 AGCACCTCAAGACAGAAGTCTCATCTGTCTCTCAGTGTACCTGCATAAAGTCTGCCTCCAACCTGTC
 CCATCCATCAAAGCTTAGGCCATGTTTACCTCCCTTCTCATCTATCCTTGTAATAAACAATAATTTCT
 CCTTGCTCAAAAAAAAAAAAAAAAAA

Restriction Sites:	RsrII-NotI
ACCN:	NM_008106
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:	BC014826 , AAH14826
RefSeq Size:	1215 bp
RefSeq ORF:	1080 bp
Locus ID:	14539
UniProt ID:	O35599
Cytogenetics:	X A7.3
Gene Summary:	Visual pigments are the light-absorbing molecules that mediate vision. They consist of an apoprotein, opsin, covalently linked to cis-retinal. May increase spectral sensitivity in dim light. [UniProtKB/Swiss-Prot Function]