

Product datasheet for **MC208410**

Opn3 (NM_010098) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Opn3 (NM_010098) Mouse Untagged Clone
Tag: Tag Free
Symbol: Opn3
Synonyms: Ecpn; ERO
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC208410 representing NM_010098
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTA**CTCGGGAA**CCGTAGTGGCGACCAGGGCTACTGGGAGGACGGGGCGGGCCGAGGGCGCAGCAC
 CGGCGGGCACGCGGAGCCCCGCGCCTCTTT**CAGCCCC**ACCGGTACGAGCGCCTGGCGTGCTACTCGG
 CTGCCTCGCGTCTGGGCGTGGCGGCAACCTGCTGGTCTGCTTCTACTCCAAGTCCCGAGACTG
 CGCAGGCCACCCACCTTCTGGTCAACCTGAGCCTGGGCGACCTGCTGGTATCCCTGTTCCGGAGTCA
 CCTTACCTTCGCGTCGTGCCTGCGGAACGGCTGGGTGTGGGACCGCTGGGCTGCGCGTGGGACGGTT
 TAGCGGCAGCCTCTTTGGGTTTCGTTCCATTACCACCCTCACTGTGCTGGCCTATGAACGTTATATCCGT
 GTGGTACATGCCAGAGTGATCAACTTTTCTGGGCTGGAGGGCCATTACCTATATCTGGCTCTACTCCT
 TGGCATGGGCAGGAGCACCTCTCCTGGGCTGGAACAGGTACATCCTAGACATACATGGACTGGGCTGTAC
 CGTGGACTGGAGATCCAAGGATGCCAACGACTTCTCCTTTGTGCTCTTCTGTTTCTCGGCTGCCTGGT
 GTGCCCGTGGGCATCATAGCCCATTGCTACGGCCACATTCTCTATTCTGTTTGAATGCTTCGCTGTGTTG
 AAGATCTCAGACCATTCAAGTGATCAAGATGCTAAGATATGAAAAGAAAGTAGCAAAGATGTGCTTTTT
 GATGGCCTTTGTCTTTCTCACCTGCTGGATGCCTTACATTGTGACCCGCTTCTTGGTGGTCAATGGCTAT
 GGACACCTGGTCA**CCCCAACT**GTGTCCATTGTTTCTTATCTTTGCTAAATCGAGCACTGTGTACAAC
 CAGTTATCTACATCTTCATGAACAGAAAGTTTCGGAGGTCCTTCTGCAGCTCCTATGCTCCGCCTGCT
 GAGATGCCAGCGCCTGCTAAAAACCTCCAGCGGCTGAGAGTGAATGCACATCAGGCCATCGTGATG
 TCACAGAAAGATGGGACAGGCCAAAGAAGAAAGTGACCTTTAACTCTTCTCTATCATCTTTATCATCA
 CCAGTGATGAGTCCCTGTGAGTCGAGGACAGTGACAGAAGCAGCGCATCTAAGGTCGATGTCATCCAAGT
 GCGTCCTCTATA**AA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_010098
Insert Size:	1203 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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_010098.3 , NP_034228.1
RefSeq Size:	1783 bp
RefSeq ORF:	1203 bp
Locus ID:	13603
UniProt ID:	Q9WUK7
Cytogenetics:	1 H3
Gene Summary:	May play a role in encephalic photoreception.[UniProtKB/Swiss-Prot Function]