

Product datasheet for **RN216570**

Opn3 (NM_001191933) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Opn3 (NM_001191933) Rat Untagged Clone
Tag: Tag Free
Symbol: Opn3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN216570 representing NM_001191933
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTA**CTCGGGAA**ACCGTAGCGGGCCAGGGCTACTGGGAGGACGGGGCGGGCCGAGGGCGCAGCAC
CGGCCGGCACGGAGCCCCGCGCTCTCTT**CAGCCCC**ACCGCGTACGAGCGCCTGGCGCTGCTGCTCGG
TTGCCTCGCGCTGCTGGGCGT**CGGGCA**ACCTGCTGGTGTGCTTCTCTACTCCAAGT**TCCCG**GACTG
CGCAGCGCCACCCACCTCTTCTGGTCAACCTCAGTCTGGGCGATCTGCTGGTATCCCTGTT**CGG**AGTCA
CCTTACCTT**CGCGT**CGTGCCTGCGGAACGGCTGGGTGTGGGACGCCGTGGGCTGCGCGTGGGACGGGTT
TAGCGGCAGCCTCTTTGGGTTTGT**TCCATT**ACCACCCTCACTGTGCTGGCTTATGAACGTTATATCCGT
GTGGTACATGCCAGAGTGATCAATTTTCTGGGCCTGGAGGGCCATTACCTATATCTGGCTCTACTCTT
TGGCATGGGCAGGAGCGCCTCTCTGGGCTGGAACAGGTACATCCTCGATGTACATGGACTGGGCTGTAC
TGTGGACTGGAATCCAAGGATGCCAACGACTCCTCCTTGTGCTCTTCTGTTTCTTGGCTGTCTGGT
GTGCCCATGGGCATCATAGCCCATTGCTACGGTCATATTCTGTATTCTGTT**CGAAT**GCTTCGCTGTGTTG
AAGATCTT**CAGACA**ATTCAAGTGATCAAGATGTTGCGATACGAAAAGAAAGTTGCCAAGATGTGCTTTTT
GATGGCCTTTGTCTTTCTCACCTGCTGGATGCCTTATGTTGTAACCCGCTTCTTGGTGGTCAATGGCTAT
GGACACCTGGTCA**CCCCAA**CTGTGTCTATCGTTTTCTTATCTCTTTGCTAAATCGAGCACTGTGTACAACC
CAGTTATCTACATCTT**CATGAT**CAGAAAGTTTCGGAGGTCCTTCTGCAACTCCTCTGTTTCCGCGCTGCT
GAGATGCCAGAGGCGCTGCTAA**AAAC**CTCCAGCAGCTGAGAGTGAAATGCAGATCAGGCCATTGTGATG
TCACAGAAAGATGGGGACAGGCCAAAGAAAGT**GACATTTA**ACTCTTCTCCATCATCTT**CATCA**TC
CCAGTGATGAGTCCCTGTCAGTCGAGGACAGCGACAGAAAGCAGCGCATCTAAGGTCGATGTAATCCAAGT
CGTCCTTTATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul



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ACCN:	NM_001191933
Insert Size:	1203 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001191933.1, NP_001178862.1</u>
RefSeq Size:	1751 bp
RefSeq ORF:	1203 bp
Locus ID:	498289
Cytogenetics:	13q25