

Product datasheet for **RR216570**

Opn3 (NM_001191933) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Opn3 (NM_001191933) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Opn3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR216570 representing NM_001191933 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTA**CTCGGGGAACCGTAGCGGGCCAGGGCTACTGGGAGGACGGGGCGGGCGCCGAGGGCGCAGCAC**
CGGCCGGCACGCGAGCCCCGCGCCTCTCTTCAGCCCCACCGCGTACGAGCGCCTGGCGCTGCTGCTCGG
TTGCCTCGCGCTGCTGGGCGTCGGCGGCAACCTGCTGGTGTGCTTCTCTACTCCAAGTCCCGCGACTG
CGCACGCCACCCACCTCTTCTGGTCAACCTCAGTCTGGGCGATCTGCTGGTATCCCTGTTCCGAGTCA
CCTTCACCTTCGCGTCGTGCCTGCGGAACGGCTGGGTGTGGGACGCCGTGGGCTGCGCGTGGGACGGGTT
TAGCGGCAGCCTCTTTGGGTTTGTTCATTACCACCCTCACTGTGCTGGCTTATGAACGTTATATCCGT
GTGGTACATGCCAGAGTGATCAATTTTTCTGGCCTGGAGGGCCATTACCTATATCTGGCTCTACTCTT
TGGCATGGGCAGGAGCGCCTCTCCTGGGCTGGAACAGGTACATCCTCGATGTACATGGACTGGGCTGTAC
TGTGGACTGGAATCCAAGGATGCCAACGACTCCTCCTTGTGCTCTTCTGTTTCTTGGCTGTCTGGT
GTGCCCATGGGCATCATAGCCCATTGCTACGGTCATATTCTGTATTCTGTTTGAATGCTTCGCTGTGTTG
AAGATCTTCAGACAATCAAGTGATCAAGATGTTGCGATACGAAAAGAAAGTTGCCAAGATGTGCTTTTT
GATGGCCTTTGTCTTCTCACCTGCTGGATGCCTTATGTTGTAACCCGCTTCTTGGTGGTCAATGGCTAT
GGACACCTGGTCAACCCAACTGTGTCTATCGTTTTCTTATCTCTTTGCTAAATCGAGCACTGTGTACAACC
CAGTTATCTACATCTTCATGATCAGAAAGTTTCGGAGGTCCTTCTGCAACTCCTCTGTTCCCGCCTGCT
GAGATGCCAGAGGCTGCTAAAACTCCAGCAGCTGAGAGTGAATGCAGATCAGGCCATTGTGATG
TCACAGAAAGATGGGGACAGGCCAAAGAAGAAAGTGACATTTAACTTCTCCTCCATCATCTTCATCATCA
CCAGTGATGAGTCCCTGTGATCGAGGACAGCGACAGAAGCAGCGCATCTAAGGTCGATGTAATCCAAGT
GCGTCCTTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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ORF Size:	1200 bp
OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001191933.1 , NP_001178862.1
RefSeq Size:	1751 bp
RefSeq ORF:	1203 bp
Locus ID:	498289
Cytogenetics:	13q25
MW:	44.9 kDa