

Product datasheet for **MC218900**

Ogfod1 (NM_177767) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ogfod1 (NM_177767) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ogfod1
Synonyms:	4930415J21Rik; AA387199; AA939912; AW061076; mKIAA1612
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218900 representing NM_177767
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAACGGGAAGCGGCCGCGGATCCTGGCCAGCGCGCCAATGAAGAAGGAAAGAAGCAGGTATCGG
CAGAGTTTTCGGACGCTGTCACTGAAGAAATCCTGAGGAAGCAGGTGGCTGAGGCCTGGAGCTGCCGGAC
ACCGTTACGCCATGAAGCTATTGCCTTGGACATGGATCCTTTCCTTCACTGTGTGATCCCAAACCTCATC
CAAAGCCAAGACTTCTTGAAGGACTTCACAAAGAGCTTTTGGCCTGGACTTCCATGAAAAGTACAATG
ATTTATATAAGTTCCAACAGTCTGATGATTTGAAGAACCAGAAAGAGCCCATATCTCAGCTTAAAGGAA
ACTTATGTTTGAAGATTTTCGGCCTGGCTTCTAAGGTTCCGGCATTGACCTAGAACCAACCATTGAC
ATGTCGTGTGCGAAATACGAGTTCAGTCTGCTGCTGCTGCCATGATGATGAAGTGGAGGGCGCCGGA
TCGCTTTCATTCTGTACCTGGTTCCTTCTGGGACAGGGACTGGGGGGCACCTGGACCTTTATGACAC
TGATGAACACTTGCAGCCAAAGCAGATTGTCAAGTCTTATCCCTTCCGGAACAACTGGTTTTCTTT
GAAGTGTCTCCAGTATCCTTTCACCAGGTGTCTGAAGTCTGTCTGAAGAAACATCACGTTTGTCTATAA
GTGGCTGGTTTTATGGTCTTCATTAACCAGGCCTCCTACCTACTTTGAGCCCCAATCCCTCGAAACCC
TCACATCCCAAGATCATGAAATTTATATGAGTGGATCAACCTGCTTACCTGGAATGGATTATCAA
ATGCAAAATCAAGAAGAAATTTGAAGAAAGGTCTGAAATTCCTGAAGGAGTTTCTTAAGCCTGAGAAAT
TTGAGAGGTCTGTGAAGCCTTGGAGAAAGGAGATGTGGAATGGAAAAGCCATGGTCCCCAAACAAAAG
GTTTTATGAGAAAGCAGAAGAAAATAACCTCCCTGACGTGCTGAAGGAATGCATGGGCCTGTTCCGCTCT
GAGGCGCTCTTCTGCTGCTCTCAACCTCACTGGCCTGAAGCTTCACTTCTTGGCCCTTCAGAAGATG
ATGAGACTGAGGAGAAAGGAGAGGGGGAGACAGCCAGTGTCTGCTGGCACTGAAGAAGGGACTAGCCG
ACGCCCTCGGGCCAGAGAATAATCAGGTGGCCGCTGGCAGTCACAGTCAAGAGAACGGTGAACAGGCA
GACCCAGAAGCACAGGAAGGAAGCAAAGAAAGAAATCGAGCGTTCCTATGTGCCAGGGGAGCTGAGGC
GTTGGAAGACTGGCCATTACACATTAGTCCACGACAACCAAGACTGAATTTGCCCTGGACCTGTTTCT
GTACTGTGGCTGTGAAGGCTGGGAGCCGAATATGGCGGCTTACCTCCTACATTGCTAAAGGTGAAGAT
GAAGAGCTGCTCATAGTGAATCCAGAAAACAACCTTTGGCGTTGGTCTACAGAGACAGAGAAACGCTGA
GGTTTGTGAAACACATCAACCACCGCAGCCTAGAGCAGAGCAAAGCCTTCCCAAGCAGAAGCGGCTCTG
GGACTTCGCATTCATCTACTATGAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_177767

Insert Size: 1638 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).

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:

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_177767.4](#), [NP_808435.3](#)

RefSeq Size: 5329 bp

RefSeq ORF: 1638 bp

Locus ID: 270086

UniProt ID: [Q3U0K8](#)

Cytogenetics: 8 C5

Gene Summary: Proyl 3-hydroxylase that catalyzes 3-hydroxylation of 'Pro-62' of small ribosomal subunit uS12 (RPS23), thereby regulating protein translation termination efficiency. Involved in stress granule formation.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript from the same strain was available for the full length of the gene. The extent of this transcript is supported by transcript alignments and orthologous data.