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Product datasheet for SC113662

OGFOD1 (NM_018233) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OGFOD1 (NM_018233) Human Untagged Clone
Tag:	Tag Free
Symbol:	OGFOD1
Synonyms:	TPA1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF sequence for NM_018233 edited
ATGTCCTGTGCTAAATATGAATTCACTGATGCCCTGCTGTGCCATGATGATGAGCTGGAA
GGGCGCCGGATTGCCTTCATCCTGTACCTGGTTCCTCCCTGGGACAGGAGCATGGGTGGT
ACCCTGGACCTGTACAGCATTGATGAACACTTTCAGCCGAAGCAGATTGTCAAGTCTCTT
ATCCCTTCGTGGAACAAACTGGTTTTCTTTGAAGTATCTCCTGTGTCCTTTCACCAGGTG
TCTGAAGTGCTGTCTGAAGAAAAGTCACGTTTGTCTATAAGTGGCTGGTTTCATGGTCCA
TCATTGACTCGGCCTCCCAACTACTTTGAACCCCCCATACCTCGGAGCCCTCACATCCCA
CAAGATCATGAGATTTTGTATGATTGGATCAACCCTACTTATCTGGACATGGATTACCAA
GTTCAAATTCAAGAAGAGTTTGAAGAAAGTTCTGAAATTCTCCTGAAGGAGTTTCTTAAG
CCTGAGAAATTCACGAAAGTCTGTGAGGCCTTGGAGCATGGACATGTGGAATGGAGCAGC
CGAGGTCCCCCTAACAAAAGGTTTTATGAGAAAGCTGAGGAGAGTAAGCTTCCTGAGATA
TTGAAGGAGTGCATGAAGTTATTTCGCTCTGAGGCACTATTCTTGCTGCTCTCCAACTTC
ACAGGCCTGAAGCTTCATTTCTTGGCCCCTTCGGAAGAAGATGAGATGAATGATAAAAAA
GAGGCAGAAACCACTGATATCACTGAAGAAGGGACTAGCCATAGTCCTCCTGAGCCAGAG
AATAATCAGATGGCCATCAGCAACAACAGCCAACAGAGCAATGAGCAGACAGACCCAGAG
CCAGAGGAAAATGAAACAAAGAAAGAATCAAGTGTTCCCATGTGCCAAGGGGAACTGAGG
CATTGGAAGACCGGTCACTACACTTTAATTCATGACCATAGCAAGGCTGAATTTGCCCTA
GACTTAATTCTGTACTGTGGCTGTGAAGGCTGGGAGCCAGAATATGGCGGTTTTACTTCT
TACATTGCCAAAGGTGAAGATGAAGAGCTGCTAACAGTGAATCCAGAAAGCAATTCTTTG
GCATTGGTCTACAGAGACAGAGAGACTCTGAAATTTGTCAAGCATATTAACCACCGAAGC
CTGGAACAAAAGAAAACCTTCCCAAACAGAACAGGTTTCTGGGACTTTTCATTCATCTAT
TATGAATGA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018233 unedited
GGAAGATATGAATGGGAAGCGGCCAGCGGAGCCCGGCCCAGCCCGGGTGGGAAAAAAGGG
AAAGAAGGAGGTGATGGCGGAGTTTTCGGACGCTGTTACGGAAGAAACCTTGAAAAAGCA
GGTGGCTGAGGCCTGGAGCCGCAGGACGCCGTTCAGTCACGAAGTCATTGTCATGGACAT
GGACCCTTTTCTTCACTGTGTGATCCCAAACTTCATCCAAAGCCAAGACTTCTTAGAAGG
GCTTCAGAAGGAACTGATGAACTTGGACTTCCATGAGAAGTATAATGATTTATATAAGTT
CCAGCAGTCTGATGATTTGAAGAAGAGAAGAGAGCCTCACATCTCCACTTTAAGGAAAAT
TCTGTTTGAAGATTTCCGGTCCTGGCTTTCTGATATTTCTAAAATTGACCTGGAATCAAC
CATTGACATGTCCTGTGCTAAATATGAATTCACTGATGCCCTGCTGTGCCATGATGATGA
GCTGGAAGGGCGCCGGATTGCCTTCATCCTGTACCTGGTTCCTCCCTGGGACAGGAGCAT
GGGTGGTACCCTGGACCTGTACAGCATTGATGAACACTTTCAGCCGAAGCAGATTGTCAA
G

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018233 unedited
GGCACGCAATCTATAGTCGAGTTTTTTTTTTTTTTTTTTTGAGACAGAGTTTCACTCTT
GTTGCCCAGGCTGGAGTGCAGTGGCACAATCTCGGCTCACTGCAACCTCCGCCTCCTGGG
TTCAACCAATTCTCCTGCCCCAGCCTCCTGAGTAGCTGGGATTACAGGCATGTGCCACCA
CGCCCAGCTAATTTTGTATTTTTAGTAGAGATGGGGTTTCTCCATGTTTGTCAGGCTGGT
CTTTAACTCCTGACCTCAGGTGATCCGCCTGCCTTGGCCTCCCAAGTGCTGGGATTACAG
GCGTGAGCCACCATGCCCGGCTGCAATCACGTATGAGTTTTTCTAAAAAAACCGAAACAC
TGGAAACATGGATGCATCTTAAAGACTTTATGCTAAGTGAAACCAGTCACAAAAGGACAA
ATACTGTATGATTCCACTTACATGAGAAATATGAGTAGTGAAGTTGATGATAGAGACAAA
AGGTATGGCTGTTGCTAGGGGAAGGGGAGGTGGGGAGTTATTGTTCAATGGGCACAGAAT
TTGGGAAGATGGAAAACTTCTGGAGATGGATGATGGTGATGGCTGGACAACAATGAGAAT
GTACTTAATCCACTGAATTGCATATTTAAAAATGGGTAAGCTGGTCAGTTTTATGTTATA
AATATTTTACCTCAATAAAAACAAATTGAACTTAAAAATTCACTGAAGAAGCCAATATGG
AAAAAGGACTAAATGTTAAAAAATAAAAAGCCCACTTTTTTTTTTTTATCAAAGAGATAG
TACTTACCTGCCAGCTCAAGGTCTCGGGTTGAGACAATCATTATGAGTCCTATTAAAGAC
AACCAGTTTTAAGACCACTGTCAGGCAAGCTACCATGTGAGTCTCCTTGACTCCATGCTA
GCTTCTTCAGACTTCCAGAATTACGAAGGTCACATTTTGTTCACCTTGCCAAGCCGGATT
AATATAAG

Restriction Sites: NotI-NotI

ACCN: NM_018233

Insert Size: 2850 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.

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RefSeq:	NM_018233.2, NP_060703.2
RefSeq Size:	2527 bp
RefSeq ORF:	1209 bp
Locus ID:	55239
UniProt ID:	Q8N543
Cytogenetics:	16q13
Gene Summary:	Prolyl 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]

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