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Product datasheet for SC126919

OGFOD1 (AK022752) Human Untagged Clone

Product data:

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

View online »

Fully Sequenced ORF:

>OriGene ORF within SC126919 sequence for AK022752 edited (data generated by NextGen Sequencing)

ATGAATGGGAAGCGGCCAGCGGAGCCCGGCCCAGCCCGGGTGGGAAAAAAGGGAAAGAAG
GAGGTGATGGCGGAGTTTTCGGACGCTGTTACGGAAGAAACCTTGAAAAAGCAGGTGGCT
GAGGCCTGGAGCCGCAGGACGCCGTTCAGTCACGAAGTCATTGTCATGGACATGGACCCT
TTTCTTCACTGTGTGATCCCAAACTTCATCCAAAGCCAAGACTTCTTAGAAGGGCTTCAG
AAGGAACTGATGAACTTGGACTTCCATGAGAAGTATAATGATTTATATAAGTTCCAGCAG
TCTGATGATTTGAAGAAGAGAAGAGAGCCTCACATCTCCACTTTAAGGAAAATTCTGTTT
GAAGATTTCCGGTCCTGGCTTTCTGATATTTCTAAAATTGACCTGGAATCAACCATTGAC
ATGTCCTGTGCTAAATATGAATTCACTGATGCCCTGCTGTGCCATGATGATGAGCTGGAA
GGGCGCCGGATTGCCTTCATCCTGTACCTGGTTCCTCCCTGGGACAGGAGCATGGGTGGT
ACCCTGGACCTGTACAGCATTGATGAACACTTTCAGCCGAAGCAGATTGTCAAGTCTCTT
ATCCCTTCGTGGAACAAACTGGTTTTCTTTGAAGTATCTCCTGTGTCCTTTCACCAGGTG
TCTGAAGTGCTGTCTGAAGAAAAGTCACGTTTGTCTATAAGTGGCTGGTTTCATGGTCCA
TCATTGACTCGGCCTCCCAACTACTTTGAACCCCCCATACCTCGGAGCCCTCACATCCCA
CAAGATCATGAGATTTTGTATGATTGGATCAACCCTACTTATCTGGACATGGATTACCAA
GTTCAAATTCAAGAAGAGTTTGAAGAAAGTTCTGAAATTCTCCTGAAGGAGTTTCTTAAG
CCTGAGAAATTCACGAAAGTCTGTGAGGCCTTGGAGCATGGACATGTGGAATGGAGCAGC
CGAGGTCCCCCTAACAAAAGGTTTTATGAGAAAGCTGAGGAGAGTAAGCTTCCTGAGATA
TTGAAGGAGTGCATGAAGTTATTTCGCTCTGAGGCACTATTCTTGCTGCTCTCCAACTTC
ACAGGCCTGAAGCTTCATTTCTTGGCCCCTTCGGAAGAAGATGAGATGAATGATAAAAAA
GAGGCAGAAACCACTGATATCACTGAAGAAGGGACTAGCCATAGTCCTCCTGAGCCAGAG
AATAATCAGATGGCCATCAGCAACAACAGCCAACAGAGCAATGAGCAGACAGACCCAGAG
CCAGAGGAAAATGAAACAAAGAAAGAATCAAGTGTTCCCATGTGCCAAGGGGAACTGAGG
CATTGGAAGACCGGTCACTACACTTTAATTCATGACCATAGCAAGGCTGAATTTGCCCTA
GACTTAATTCTGTACTGTGGCTGTGAAGGCTGGGAGCCAGAATATGGCGGTTTTACTTCT
TACATTGCCAAAGGTGAAGATGAAGAGCTGCTAACAGTGAATCCAGAAAGCAATTCTTTG
GCATTGGTCTACAGAGACAGAGAGACTCTGAAATTTGTCAAGCATATTAACCACCGAAGC
CTGGAACAAAAGAAAACCTTCCCAAACAGAACAGGTTTCTGGGACTTTTCATTCATCTAT
TATGAATGA

Clone variation with respect to AK022752.1
334 g=>a;517 t=>c;561 a=>t

5' Read Nucleotide Sequence:

>OriGene 5' read for AK022752 unedited
TTTTGTAATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGGATGAATGGGAAG
CGGCCAGCGGAGCCCGGCCCAGCCCGGGTGGGAAAAAAGGGAAAGAAGGAGGTGATGGCG
GAGTTTTCGGACGCTGTTACGGAAGAAACCTTGAAAAAGCAGGTGGCTGAGGCCTGGAGC
CGCAGGACGCCGTTCAGTCACGAAGTCATTGTCATGGACATGGACCCTTTTCTTCACTGT
GTGATCCCAAACTTCATCCAAAGCCAAGACTTCTTAGAAGGGCTTCAGAAGGAACTGATG
AACTTGGACTTCCATGAGAAGTATAATGATTTATATAAGTTCCAGCAGTCTGATGATTTG
AAGAAGAGAAGAGAGCCTCACATCTCCACTTTAAGGAAAATTCTGTTTGAAGATTTCCGG
TCCTGGCTTTCTGATATTTCTAAAATTGACCTGGAATCAACCATTGACATGTCCTGTGCT
AAATATGAATTCACTGATGCCCTGCTGTGCCATGATGATGAGCTGGAAGGGCGCCGGATT
GCCTTCATCCTGTACCTGGTTCCTCCCTGGGACAGGAGCATGGGTGGTACCCTGGACCTG
TACAGCATTGATGAACACTTTCAGCCGAAGCAGATTGTCAAGTCTCTTATCCCTTCGTGG
AACAAACTGGTTTTCTTTGAAGTATCTCCTGTGTCCTTTCACCAGGTGTCTGAAGTGCTG
TCTGAAGAAAAGTCACGTTTGTCTATAAGTGGCTGGTTTCATGGTCCATCATTTGACTCG
GCTCCCACTACTTTGAACCCCCATACCTCGGAGCCCTCACATNNCACAGATATGAGATTN
TGTATGATGGNATCAACCCTACTTATCTGACATGGATTACCAGN

3' Read Nucleotide Sequence:

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>OriGene 3' read for AK022752 unedited
TTTGGACGCGGCCGCTCTTTANGATCGAGTTTTTTTTTTTTTTTTTGAGACAGAGTTTC
ACTCTTGTTGCCCAGGCTGGAGTGCAGTGGCACAATCTCGGCTCACTGCAACCTCCGCCT
CCTGGGTTCAACCAATTCTCCTGCCCCAGCCTCCTGAGTAGCTGGGATTACAGGCATGTG
CCACCACGCCCAGCTAATTTTGTATTTTTAGTAGAGATGGGGTTTCTCCATGTTTGTCAG
GCTGGTCTTTAACTCCTGACCTCAGGTGATCCGCCTGCCTTGGCCTCCCAAGTGCTGGGA
TTACAGGCGTGAGCCACCATGCCCGGCTGCAATCACGTATGAGTTTTTCTAAAAAAACCG
AAACACTGGAAACATGGATGCATCTTAAAGACTTTATGCTAAGTGAAACCAGTCACAAAA
GGACAAATACTGTATGATTCCACTTACATGAGAAATATGAGTAGTGAAGTTGATGATAGA
GACAAAAGGTATGGCTGTTGCTAGGGGAAGGGGAGGTGGGGAGTTATTGTTCAATGGGCA
CAGAATTTGGGAAGATGGAAAACTTCTGGAGATGGATGATGGTGATGGCTGGACAACAAT
GAGAATGTACTTAATCCACTGAATTGCATATTTAAAAATGGGTAAGCTGGTCAGTTTTAT
GTTATAAATATTTTACCTCAATAAAAACAAATTGAACTTAAAAATTCACTGAAGAAACCA
ATATGGAAAAAGGACTAAATGTTAAAAAAAAAAAAGCCAACTTTTTTTTTTTAATCAAGA
GATAAGTACTTAGCTGCAAGCTCAAGGTCTCGGGTGAAGACAATCATTATGAGTCCTAGT
AAAAACAACCAGTTTTAAGAACACTGTCAGGCAAGCTACCATGGTAGTCTCCTTGACTCC
ATGCTNAGCTCTTTCAGACTTCCCAGTATTACAAAGGGTCACATTTTGTTCGCTTTGCCC
ATGCTGTCATTATATAGATGATGAAAAGCA
```

Restriction Sites: NotI-NotI

ACCN: AK022752

Insert Size: 2620 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: AK022752.1, BAB14226.1

RefSeq Size: 2315 bp

RefSeq ORF: 1629 bp

Locus ID: 55239

Cytogenetics:	16q13
Domains:	2OG-FeII_Oxy, P4Hc
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]