

Product datasheet for **RC233654**

GFOD1 (NM_001242628) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GFOD1 (NM_001242628) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GFOD1
Synonyms:	ADG-90; C6orf114
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC233654 representing NM_001242628 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGACCTCGGCCGCCACTACTACCCCAAGCTCATGAGCATCATGGCAACGTGCTGCGCTTCTGCCGG
 CTTTCGTGCGCATGAAGCAGCTGATCGAGGAGGGCTACGTGGCGAGCCGCTGGTGTGTAGGTGCAGGT
 GCACGGCGGCAGCCTGCTGGGCAAGAAGTACAAGTGGAGCTGCGACGACTTGTGGGCGGCCGCGCCTG
 CACTCCGTGGGCACCTACATCATCGACCTGCTCACCTTCTCACCGCCAAAAGGCCGTCAAGGTCCACG
 GGCTGCTCAAGACCTTCTGTAAGCAGACTGACCACATCAAGGGCATCCGACAGATCACCAGCGATGACTT
 CTGCACCTTCCAGATGGTGTGAGGGCGGGGTGTGCTGCACCGTCACCTCAACTTCAACGTGCCCGGC
 GAGTTCAAGCAGGATGTCACTGTGGTGGCTCAGCCGGGCGCCTGCTGGCCGTGGGACCGACCTGTACG
 GGCAGCGCAACAGCGCCCCGGAGCAGGAGCTGCTGGTGCAGGACGCCACGCCGTGAGCAACTCCCTGCT
 TCCGGAGAAGGCCTTCAGCGACATCCCCTCGCCCTACCTGCGCGGCACCATCAAGATGATGCAGGCGGTG
 CGCCAGGCCTTCCAGGACCAGGACGACGGCGCACGTGGGATGGGCGGCCCTCACCATGGCCGCCACCT
 TCGACGACTGCCTGTATGCCTTGTGCGTGGTGGACACCATCAAGAGGTCCAGCCAGACGGCGAGTGGCA
 GAACATTGCCATCATGACCGAGGAGCCGAGCTGAGCCCCGCCTACCTGATCAGCGAGGCCATGCGCCGC
 AGCAGGATGTCCCTCTACTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC233654 representing NM_001242628
 Red=Cloning site Green=Tags(s)

MTSAAHYYPKLMSIMGNVLRFLPAFVRMKQLIEEGYVGEPLVCEVQVHGGSLLGKKYNWSCDDLMMGGGL
 HSVGTYYIDLLTFLTGQKAVKVHGLLTKFVKQTDHIKIRQITSDDFCTFQMVLGGVCCTVTNFNVP
 EFKQDVTVVGSAGRLLAVGTDLYGQRNSAPEQELLVQDATPVNSLLPEKAFSDIPSPYLRGTIKMMQAV
 RQAFQDQDDRTWDGRPLTMAATFDDCLYALCVVDTIKRSSQTGEWQNIAMTEEPESPAYLISEAMRR
 SRMSLYC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001242628

ORF Size: 861 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:

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: [NM_001242628.1](#), [NP_001229557.1](#)

RefSeq Size: 2498 bp

RefSeq ORF: 864 bp

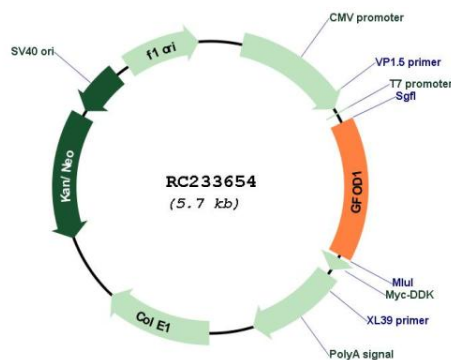
Locus ID: 54438

UniProt ID: [Q9NXC2](#)

Cytogenetics: 6p23

MW: 32.3 kDa

Product images:



Circular map for RC233654