

Product datasheet for **RG215584**

GFOD1 (NM_018988) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GFOD1 (NM_018988) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GFOD1
Synonyms:	ADG-90; C6orf114
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG215584 representing NM_018988 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCTTCCCGGGTGGCGTGTTTCGGCACCAGCCTCACGGCCCGTGTCATCATCCCGCTGCTGAAAGACG
AGGGCTTCGCGGTGAAGGCGCTGTGGGGCCGCACGCAGGAAGAAGCGGAGGAGCTGGCCAAGGAGATGAG
TGTCCTTCTACACTAGCCGATTGATGAGGTGCTGCTGCATCAGGACGTGGACTTGGTGTGCTTAAC
CTGCCGCCGCCCTCACCAGACAGATCGCTGTCAAACCCCTAGGCATCGGCAAGAAGCTCATCTGCGACC
GCACGGCCACGCCGCTGGACGCTTTCGCATGACCTCGGCCGCCCACTACTACCCAAGCTCATGAGCAT
CATGGGCAACGTGCTGCGCTTCTGCGGCTTTCGTGCGCATGAAGCAGCTGATCGAGGAGGGCTACGTG
GGCGAGCCGCTGGTGTGTGAGGTGCAGGTGCACGGCGGCAGCCTGCTGGGCAAGAAGTAACTGGAGCT
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CACC GGCCAAAAGGCCGTCAAGGTCCACGGGTGCTCAAGACCTTCGTGAAGCAGACTGACCACATCAAG
GGCATCCGACAGATCACCAGCGATGACTTCTGCACCTTCAGATGGTGTGAGGGCGGGGTGTGCTGCA
CCGTCAACCTCAACTTCAACGTGCCCGCGAGTTCAAGCAGGATGCTACTGTGGTGGGCTCAGCCGGCG
CCTGCTGGCCGTGGGCACCGACCTGTACGGGCAGCGCAACAGCGCCCCGAGCAGGAGCTGCTGGTGCAG
GACGCCACGCCGGTGAGCAACTCCCTGCTTCCGAGAAGGCCTTCAGCGACATCCCCTCGCCCTACCTGC
GCGGCACCATCAAGATGATGCAGGCGGTGCGCCAGGCCTTCAGGACCAGGACGACCGGCCACGTGGGA
TGGGCGGCCCTCACCATGGCCGCCACCTTCGACGACTGCCTGTATGCCTTGTGCGTGGTGGACACCATC
AAGAGGTCCAGCCAGACGGGCGAGTGGCAGAACATTGCCATCATGACCGAGGAGCCGGAGCTGAGCCCCG
CCTACCTGATCAGCGAGGCCATGCGCCGACGAGGATGTCCTCTACTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG215584 representing NM_018988
 Red=Cloning site Green=Tags(s)

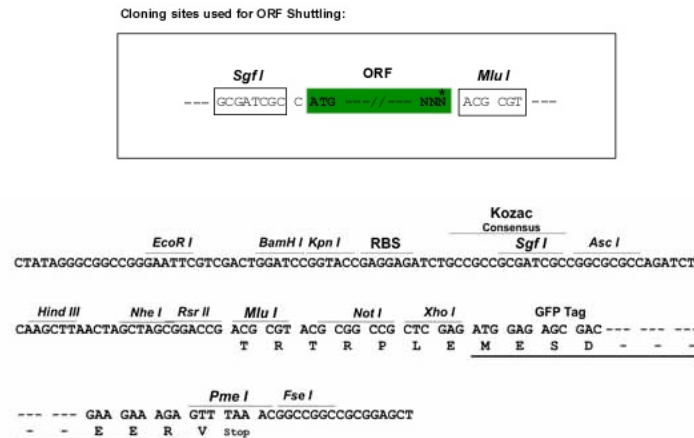
MLPGVGVFGTSLTARVVIPLLKDEGFAVKALWGRTQEEAEELAKEMSVPFYTSRIDEVLLHQDVLVCIN
 LPPPLTRQIAVKTLGIGKNVICDRTATPLDAFRMTSAAHYYPKLMSIMGNVLRFLPAFVRMKQLIEEGYV
 GEPLVCEVQVHGGSLLGKKYNWSCDDLGGGGLHSVGTYIIDLLTFLTGQKAVKVHGLLKTFVKQTDHIK
 GIRQITSDDFCTFQMVLEGGVCCVTNLNPNVGEFKQDVTVVGSAGRLLAVGTDLYGQRNSAPEQELLVQ
 DATPVSNLLPEKAFSDIPSPYLRTIKMMQAVRQAFQDQDDRRRTWDGRPLTMAATFDDCLYALCVVDTI
 KRSSQTGEWQNIAMTEPELSPAYLISEAMRRSRMSLYC

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_018988

ORF Size: 1170 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_018988.4](#)

RefSeq Size: 3033 bp

RefSeq ORF: 1173 bp

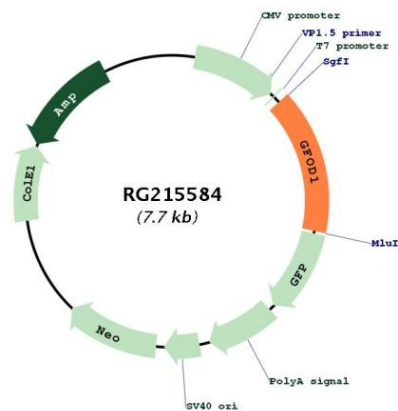
Locus ID: 54438

UniProt ID: [Q9NXC2](#)

Cytogenetics: 6p23

Domains: GFO_IDH_MocA, GFO_IDH_MocA_C

Product images:



Circular map for RG215584