

Product datasheet for **MG224238**

Gfod1 (NM_001033399) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gfod1 (NM_001033399) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gfod1
Synonyms:	9630032013; AI850995
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG224238 representing NM_001033399 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTTCCCGGGTGGCGTGTTTCGGCACCAGCCTCACAGCCGAGTCATCATCCCCTGCTGAAAGATG
AGGGCTTCGCGGTGAAGGCGCTGTGGGGCCGCACGCAGGAAGAAGCCGAGGAGCTGGCCAAGGAGATGAG
CGTTCCTTTCTACACCAGCCGATCGACGAGGTGCTCCTGCACCAGGATGTGGACTTGGTGTGCATCAAC
CTGCCCGCCGCTCACTAGGCAGATCGCTGTCAAACCCTGGGAATAGGCAAGAATGTCATCTGTGACC
GTACCGCCACGCCGCTGGACGCCTTCCGCATGATGTCAGCGGCCACTACTACCGAAGCTCATGAGCAT
CATGGGCAACGTGCTGCGCTTCTCCAGCCTTGTACGCATGAAGCAGCTGATTGAGGAGGGCTACGTG
GGCGAGCTGCTGGTGTGCGAGGTGCAGGTGCACAGCGGTAGTCTGCTGGGCAAGAAATACAACTGGAGCT
GCGACGACCTGATGGGTGGTGGCGCCCTGCACTCCGTGGGCACCTACATCATTGACCTGCTCACCTTCT
CACGGGCCAGAAGGCTGTCAAGGTCCACGGGCTGCTCAAGACCTTGTCAAGCAGACGGACCACATCAAG
GGCATCCGTGAGATCACCAGTGTGACTTCTGCACCTTCCAGATGGTGTGGAGGGTGGAGTGTGCTGCA
CCGTTACCCTGAACCTCAATGTGCCTGGAGAGTTCAAGCAGGACGTGACCGTGGTGGGTTCCGCTGGGGC
GCTCCTGGCGGTGGCACCGACCTCTATGGACAGCGCAATAGCGCCCCAGAGCAGGAGCTGCTGCTTCCAG
GACACTACATCCGTGAGCAACTCCCTGCTGCCTGAGAAGGCATTACGCGACATCCCCTCGCCCTACCTGC
GGGGCACCATGAAGATGATGCAGGCAGTGCGCCAGGCCTTCCAGGATCAAGATGACCGGCCACGTGGGA
CGGCCGGCCTCTTACCATGGCTGCCACCTTCGACGACTGCCTGTACGCTCTTTGCGTGGTAGACACCATC
AAGAGGTCAGCCAGACTGGAGAGTGGCAGAACATCGCCATCATGACCGAGGAGCCAGAGCTGAGCCCTG
CCTACCTGATCAGTGAGGCCATGCGCAGAAGCAGGATGTCCCTTTACTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224238 representing NM_001033399
 Red=Cloning site Green=Tags(s)

MLPGVGVFGTSLTARVVIPLLKDEGFVAVKALWGRTEEEAEELAKEMSVPFYTSRIDEVLLHQDLDLVCIN
 LPPPLTRQIAVKTLGIGKNVICDRATATPLDAFRMMSAAHYYPKLSIMGVNLRFPAFVRMKQLIEEGYV
 GELLVCEVQVHSGSLGKKNWSCDDLGGGGLHSVGTIYIDLLTFLTGQKAVKVHGLLKTFFVKQTDHIK
 GIRQITSDDFCTFQMVLEGGVCCVTTLNFNVPGEFKQDVTVVGSAGRLLAVGTDLYGQRNSAPEQELLLQ
 DTTSVSNLLPEKAFSDIPSPYLRTGTMKMMQAVRQAFQDQDDRRRTWDGRPLTMAATFDDCLYALCVVDTI
 KRSSQTGEWQNIAIMTEPELSPAYLISEAMRRSRMSLYC

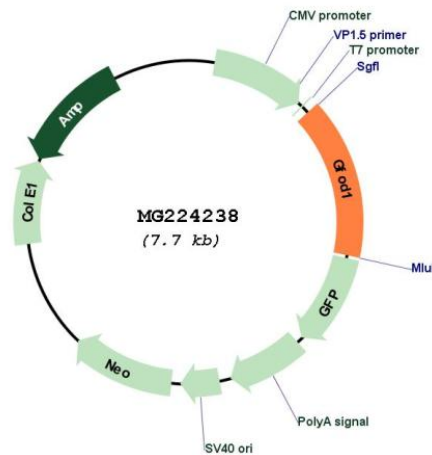
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001033399

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:	<ol style="list-style-type: none">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_001033399.4 , NP_001028571.1
RefSeq Size:	6654 bp
RefSeq ORF:	1173 bp
Locus ID:	328232
UniProt ID:	Q3UHD2
Cytogenetics:	13 A4