

Product datasheet for **SC109380**

GFOD2 (NM_030819) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GFOD2 (NM_030819) Human Untagged Clone
Tag:	Tag Free
Symbol:	GFOD2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_030819, the custom clone sequence may differ by one or more nucleotides

ATGAAGATGCTGCCAGGAGTGGGCGTGTGGGACTGGCAGCTCCGCCCGAGTTCTGGTCCCACTGCTGA
GGGCAGAAAGGTTCACTGTTGAGGCCCTGTGGGGAAGACTGAGGAGGAGGCGAAGCAGCTTGCTGAGGA
GATGAACATCGCCTTCTACACCAGCCGGACTGATGACATCTTGCTGCATCAAGATGTGGATCTGGTGTGC
ATCAGCATCCCCCTCCACTCACCCGGCAGATATCCGTGAAGGCTCTAGGTATTGGGAAGAATGTGGTTT
GCGAGAAGGCAGCAACATCGGTGGATGCCTTCCGGATGGTGACAGCCTCGCGCTACTACCCGCAGCTCAT
GAGCCTGGTAGGGAACGTGCTGCGCTTCCTGCCTGCCTTCGTGCGCATGAAACAGCTGATTCGGAACAC
TATGTGGGAGCGGTGATGATCTGTGATGCCCGCATCTACTCAGGCAGCCTGCTGAGCCCCAGCTATGGCT
GGATCTGTGATGAGCTCATGGGCGGCGGGGGCTTGACACCATGGGGACCTACATTGTGGACCTGTGAC
CCACCTGACCGGCCGGAGAGCCGAGAAGGTGCACGGGCTGCTCAAGACATTCTGTGAGGCAGAACGCTGCC
ATCCGTGGCATCCGGCAGCTCACTAGCGATGACTTCTGTTTCTTCCAGATGCTCATGGGTGGGGTGTGT
GTAGCACAGTGACACTCAACTTCAACATGCCAGGCGCCTTTGTGCATGAAGTCATGGTGGTAGGCTCTGC
AGGACGCCTCGTCGCCCGGGGAGCCGACCTCTATGGGCAGAAGAACTCTGCCACGCAAGAGGAGCTGCTC
TTGAGGGACTCGCTGGCAGTGGGCGCAGGACTGCCTGAGCAGGGGCCCCAGGATGTCCCGCTGCTGTACC
TGAAGGGCATGGTCTACATGGTGCAGGCCTTGCCAGTCCTTCCAGGGGCAGGGCGACCGCCGACCTG
GGACCGCACCCCTGTCTCATGGCCGCCTCTTCGAGGATGGGCTGTACATGCAGAGCGTGGTGGATGCC
ATCAAGAGGTCGAGCCGATCCGGGGAGTGGGAGGCTGTGGAGGTGCTGACGGAGGAGCCCGACCAACAC
AGAACCTGTGTGAGGCACTTCAGCGGAACAACCTATGA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_030819 unedited GTATTTGTATACGACTACTATTAGGGCGGCCGCGATTTCGGCACCAGGGCGGCGCCCTGG ACTCCCGGGCCCGCGCATCCCCGCCAGCCTTCCTTAAGGCGGATGGGTGGCCCCGAGAC CCCGTCGGACCCATGGTTTCCAGTGCAGCGCGGAGTGGGCGATGCCAGCGTGCCAGGAGC CATGTCTGACCAGGACGTTTGAAGATCATATCCATGCCAGAGGCTCTTGAGGAGATG AGTTGGTAAAGAGAGAGGCTGGGATGAAGATGCTGCCAGGAGTGGGCGTGTGGGACTG GCAGCTCCGCCGAGTTCTGGTCCCACTGCTGAGGGCAGAAGGGTTCAGTGTGAGGCC TGTGGGGGAAGACTGAGGAGGAGGCGAAGCAGCTTGCTGAGGAGATGAACATCGCCTTCT ACACCAGCCGACTGATGACATCTTGCTGCATCAAGATGTGGATCTGGTGTGCATCAGCA TCCCCCTCCACTCACCCGGCAGATATCCGTGAAGGCTCTAGGTATTGGGAAGAATGTGG TTTGCAGAAAGGAGCAACATCGGTGGATGCCTTCGGATGGTGACAGCCTCGCGCTACT ACCCGAGCTCATGAGCCTGGTAGGGAACGTGCTGCGCTTCTGCCTGCCTTCTGTCGCA TGAAACAGCTGATTTGGAACACTATGTGGAGCGGTGATGATCTGTGATGCCCCATCT ACTCAGGAGCCTGCTGAGCCCCAGCTATGGCTGGATCTGTGATGAGCTCATGGCGGCG GNGGCTTGACACCATGGNGACCTACATTGTGGACCTGCTGACCCACCTGACCGNCGNA GAGCCGAGAAAGTGACGGGCTGCTCAAGAATTCTGAGGAGAGCGTGCCATTCTGTGGC ATCCGGCAGCTCACTAGCGATGACTTCTGTTNCTTNCAGAGCTCATGGNTGNGGTGTGT GTAGCACAGTGACACTAAT
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_030819 unedited TGTACGCGGCCGCATCTATAGTCGGTTTTTTTTTTTTTTTTTTTATTTTCTGAATTATTTA TTAACATTTCTCAAAATGTTCTAAAGCCCTCCCTTGCCCTCTCTGCCAAACCAGGGCCC TCTGTCTACTTCAAAAGCCCAAGAGCTCACTTAATAAAGCAAGCCCCAGTCCCCACCTG GGAAGGGCCTGGTCACATGGGAGGGCAGGTGAGGGTCCCTGAGGGACAGCTTGTGGCCT CACTGTTCTGAGATGCCCCAGCCCAAGAACGAAACAAACTTCTCATCATTTCTCTCA GGCCTCAGCCGAGCTGGCCCTCTTGCTTTTCTCACCTGTTAGGACTGCGGATCAGGC TGAAGGGCTCCCCAGGTGAGCCTTTCTGGTCCGACTCACTGGCATCACCATGAGGAGG CCTGGCGGAGCTCTGCCCTGTGCACACCGTGGTAACCTGGCAACAGGAACATTTGCCA CCCTGCAAGTCTGAGGAGCAGATGACCCACTGGAGGGGGCGAAACCCATAGCCACCTCT GGCTTCACCCAGACTCATTAAAGAAAGACACTGACTCTGCTAGGGCCAAGACCTGACA TGTCTGGCTATTGTAACCTCCCTGAACCTCTGCCCTGTGTAAGACCCCCAGTGCAGG CTCCTAGGCTGGACCGTAAATTGCCTTCACAGCTCCTGATGGAGATCGGCTCCTCCGATA AAACCTTCCAATCTTTCAATCTCGTTCCGCTTCACCTTTGTGGTTTTACAAGCTTGGT AGCCCCGACCATCCCTTAGAAGCGCCCTGGGACCAGGCTCCGGCCATTCCGGAGCTCCCT TGCCCGAAAGACTGACCTAGCCTGCCCATATAACCATTCTCTCGTCCCAACGACAAATC TGGACCTGTTAGACATCTCGCCCCCTCTCTTCCCATAACTCTTCTATTCTGTAAT
Restriction Sites:	NotI-NotI
ACCN:	NM_030819
Insert Size:	3900 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.
RefSeq:	NM_030819.2 , NP_110446.2
RefSeq Size:	2118 bp
RefSeq ORF:	1158 bp
Locus ID:	81577
UniProt ID:	Q3B7J2
Cytogenetics:	16q22.1
Domains:	GFO_IDH_MocA, GFO_IDH_MocA_C
Gene Summary:	Promotes matrix assembly.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes isoform 1.