

Product datasheet for **SC321040**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_030819.2
 GGGGAGAAACCAGGCGCGCGTTCCCGGTGGCGGCGCCCTGGACTCCCGGGCCCGCGCAT
 CCCCAGCAGCCTTCTTAAGGCGGATGGGTGGCCCCGAGACCCCGTCCGACCCATGGTT
 TCCAGTGCAGCGCGGAGTGGGCGATGCCAGCGTGCCAGGAGCCATGTCTGACCAGGACGT
 TTGGAAGATCATATCCATGCCAGAGGCTCTTGTGAGGAGATGAGTTGGTAAAGAGAGAGG
 CTGGGATGAAGATGCTGCCAGGAGTGGGCGTGTGGGACTGGCAGCTCCGCCCCGAGTTC
 TGGTCCCACTGCTGAGGGCAGAAGGGTTCACTGTTGAGGCCCTGTGGGGGAAGACTGAGG
 AGGAGGCCGAAGCAGCTTGTGAGGAGATGAACATCGCCTTCTACCCAGCCGACTGATG
 ACATCTTGCTGCATCAAGATGTGGATCTGGTGTGCATCAGCATCCCCCTCCACTCACCC
 GGCAGATATCCGTGAAGGCTCTAGGTATTGGGAAGAATGTGGTTTGCAGAAGGCAGCAA
 CATCGGTGGATGCCTCCGGATGGTGACAGCCTCGCGCTACTACCCGAGCTCATGAGCC
 TGGTAGGGAACGTGCTGCGCTTCTGCCTGCCTTCGTGCGCATGAAACAGCTGATTTGCG
 AACACTATGTGGGAGCGGTGATGATCTGTGATGCCCGCATCTACTCAGGCAGCCTGCTGA
 GCCCCAGCTATGGCTGGATCTGTGATGAGCTCATGGGCGCGGGGGCTTGACACCATGG
 GGACCTACATTGTGGACCTGCTGACCCACCTGACCGGCCGAGAGCCGAGAAGGTGCACG
 GGCTGCTCAAGACATTCTGTGAGGCAGAACGCTGCCATCCGTGGCATCCGCGACGCTACTA
 GCGATGACTTCTGTTTCTCCAGATGCTCATGGGTGGGGGTGTGTGTAGCACAGTGACAC
 TCAACTTCAACATGCCAGGCGCCTTTGTGCATGAAGTCATGGTGGTAGGCTCTGCAGGAC
 GCCTCGTCGCCCCGGGAGCCGACCTCTATGGGCAGAAGAACTCTGCCACGCAAGAGGAGC
 TGCTCTTGAGGGACTCGCTGGCAGTGGGCGCAGGACTGCCTGAGCAGGGGGCCCCAGGATG
 TCCCGTGCTGTACCTGAAGGGCATGGTCTACATGGTGCAGGCCCTTGCGCCAGTCCTTCC
 AGGGGACGGGCGACCGCCGCACCTGGGACCGCACCCCTGTCTCCATGGCCGCTCCTTCC
 AGGATGGGCTGTACATGCAGAGCGTGGTGGATGCCATCAAGAGGTCGAGCCGATCCGGGG
 AGTGGGAGGCTGTGGAGGTGCTGACGGAGGAGCCGACACCAACCAGAACCTGTGTGAGG
 CACTTCAGCGGAACAACCTATGAGCCTGCACCTGGGCTCCTTGCCACAGGGCAGAGGGAC
 CAGGGAGGGGAACAGGAGCCAGACATGACAGGGACTTGGCCCTAGCAGAGACAGTGCTCTT
 TCATTTAATGAGTCTGGGTGAAGCCAGAGGTGGCTCTGGGACTTCGCCCCCTCAGTGCC
 TCATCTGCTCCTCAGACTTGACAGGTGGCAAATGTTCTGTTGCCAGGTTACCACGGTGT
 GCACAGGGCAGAGCTGCCGCCAGGCCTCCTCATGGTGATGCCAGTGAGTCGGACAGGAA
 AGGCTCACCTGGGGAGCCCTTACGCTGATCCGAGTCTAACAGGGTGAGAAAGCACA
 AGAGGGGCCAGCTCGGCTGAGGCCTGAGGAGAAATGATGAGAAGTTTGTTCGTTCTTG
 GGCTGGGGCATCTCAGGAACAGTGAGGGCAACAAGCTGTCCCTCAGGGACCTCACCTGC
 CCTCCCATGTGACCAGGCCCTTCCAGGTGGGGACTGGGGCTTGCTTTATTAAGTGAGCT
 CTTGGGCTTTTGAAGTAGGACAGAGGGCCCTGGTTTGGCAGAGAGGAGGCAAGGGAGGGC
 TTTAGAACATCTGAGAAATGTTAATAAATAATTAGAAAAAAGGAAAAAAGGAAAAA
 AA

Restriction Sites: Please inquire

ACCN: NM_030819

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_030819.2, NP_110446.2</u>
RefSeq Size:	2118 bp
RefSeq ORF:	1158 bp
Locus ID:	81577
UniProt ID:	<u>Q3B7J2</u>
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.