

Product datasheet for **SC312973**

GODZ (ZDHC3) (NM_016598) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GODZ (ZDHC3) (NM_016598) Human Untagged Clone
Tag:	Tag Free
Symbol:	GODZ
Synonyms:	DHHC-3; DHHC3; GODZ; ZNF373
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC312973 representing NM_016598. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATGCTTATCCCCACCCACCACTTCCGAAACATTGAGCGGAAACCAGAATACCTCCAGCCAGAGAAG
TGTGTCCACCCCTACCCTGGTCTGTGGGAACCATGTGGTTATCCGTGACGGCTGTGGCATCGCC
TGTGCCATCGTTACCTGGTTTCTGGTCTCTATGCGGAGTTCGTGGTCTCTTTGTCATGCTGATTCCA
TCTCGAGACTACGTGTATAGCATCATCAACGGAATTGTGTTCAACCTGCTGGCCTTCTTGGCCCTGGCC
TCCCACTGCCGGCCATGCTGACGGACCCCGGGCAGTGCCCAAAGGAAATGCCACTAAAGAATTCATC
GAGAGTTTACAGTTGAAGCCTGGCAGGTGGTGTACAAGTGCCCAAATGCTGCAGCATCAAGCCCGAC
CGAGCCCACTGCAGTGTGTAAGCGGTGCATTCGGAAGATGGACCACCACTGTCCCTGGGTCAAC
AACTGTGTAGGCGAGAACAACGAGAAGTACTTCGTCTGTTTACAATGTACATAGCTCTCATTTCCTTG
CACGCCCTCATCATGGTGGGATTCCACTTCTGCTGCTTTGAAGAAGATTGGACAACCTATGGACTG
AACAGGGAAGAAATGGCAGAGACTGGAATCTCTCTTATGAAAAAATGCAGCCCTTAACTTCAGTTCG
ACAGAGTGCAGCTCCTTCTCCACCCACCACAGTGATTCTCTTATCCTGCTGTGCTTTGAGGGCTG
CTTCTCTCATTTCACATCAGTGATGTTTGGGACCCAGGTGCACTCCATCTGCACAGATGAGACGGGA
ATAGAACAATTGAAAAAGGAAGAGAAGATGGGCTAAAAAACAATGGATGAACATGAAAGCCGTT
TTTGGCCACCCCTTCTCTAGGCTGGCCAGCCCTTTGCCACGCCAGACCAAGGAAGGCAGACCCG
TACCAGTATGTGGTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_016598
Insert Size:	984 bp



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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:	<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_016598.2
RefSeq Size:	12714 bp
RefSeq ORF:	984 bp
Locus ID:	51304
UniProt ID:	Q9NYG2
Cytogenetics:	3p21.31
Domains:	zf-DHHC
Protein Families:	Druggable Genome, Transmembrane
MW:	37.3 kDa
Gene Summary:	<p>Palmitoyltransferase with broad specificity (PubMed:21926431, PubMed:23034182). Palmitoylates GABA receptors on their gamma subunit (GABRG1, GABRG2 and GABRG3), which regulates synaptic clustering and/or cell surface stability (By similarity). Palmitoylates glutamate receptors GRIA1 and GRIA2, which leads to their retention in Golgi. May also palmitoylate DLG4, DNAJC5 and SNAP25 (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) encodes isoform 2. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.</p>