

## Product datasheet for **SC305502**

### ZDH12 (ZDHHC12) (NM\_032799) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZDH12 (ZDHHC12) (NM_032799) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZDH12
Synonyms:	DHHC-12; ZNF400
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC305502 representing NM_032799. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGCCCTGGGCGCTCCTCAGCCCTGGGGTCTGGTGCAGGACCGGCACACCGTGCTGACCTGGGGA
ATCAGCGTGGTGTCTTCTGCACGATACCGAGCTGCGGCAATGGGAGGAGCAGGGGGAGCTGCTCCTG
CCCCTCACCTTCTGCTCCTGGTGTGGGCTCCCTGCTGCTCTACCTCGCTGTGCTACTCATGGACCCT
GGCTACGTGAATGTGCAGCCCCAGCCTCAGGAGGAGCTCAAAGAGGAGCAGACAGCCATGGTTCTCCA
GCCATCCCTTTCGGCGCTGCAGATACTGCCTGGTGTGCAGCCCCTGAGGGCTCGGCACAGCCGTGAG
TGCCGCGGTTGCGTCCGCGCTACGACCACCACTGCCCTGGATGGAGAAGTGTGTGGGAGAGCGCAAC
CACCCACTCTTTGTGGTCTACCTGGCGCTGCAGCTGGTGGTGTCTGTGGGGCCTGTACCTGGCATGG
TCAGGCCCTCCGGTCTTCCAGCCCTGGGGTCTGTGGTTGCGGTCCAGCGGGCTCCTGTTCGCCACCTTC
CTGCTGTGTCCCTTCTCGTTGGTGGCCAGCCTGCTCCTCGTCTCGCACCTCTACCTGGTGGCCAGC
AACACCACCACCTGGGAATTCATCTCCTCACACCGCATCGCTATCTCCGCCAGCGCCCCAGCAACCCC
TTCGACCGAGGCTGACCCGCAACCTGGCCACTTCTTGTGGATGGCCCTCAGGGTCTGGGAGACC
CTCTGGGCTGAGGAGGAGGAAGAGGGCAGCAGCCAGCTGTTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_032799
Insert Size:	804 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_032799.4</a>
<b>RefSeq Size:</b>	1184 bp
<b>RefSeq ORF:</b>	804 bp
<b>Locus ID:</b>	84885
<b>UniProt ID:</b>	<a href="#">Q96GR4</a>
<b>Cytogenetics:</b>	9q34.11
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	30.8 kDa
<b>Gene Summary:</b>	<p>Palmitoyltransferase that could catalyze the addition of palmitate onto various protein substrates. Has a palmitoyltransferase activity toward gephyrin/GPHN, regulating its clustering at synapses and its function in gamma-aminobutyric acid receptor clustering. Thereby, indirectly regulates GABAergic synaptic transmission.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (5) uses an alternate splice site in the 5' coding region, compared to variant 1. It encodes isoform 5 which is shorter than isoform 1.</p>