

Product datasheet for **SC310351**

ZDHC14 (NM_153746) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	ZDHC14
Synonyms:	NEWICP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:	>SC310351 representing NM_153746. Blue=Insert sequence Red=Cloning site Green=Tag(s) <pre> GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGCTCCCCGGCGCGCGGGCCCATGAAAGACTGCGAGTACAGCCAGATCAGCACCCACAGCTCCTCC CCCATGGAGTCGCCCCACAAGAAGAAGAAATCGCGGCCGAGGAAATGGAGGTGTTCCCGGAAGA AACAAGTTCTTCTGTAACGGGAGGATCATGATGGCCCGCAGACGGGCGTCTTCTACCTGACGCTCGTC CTCATCTGGTCTAGCGGACTCTTCTTCGCCTTCGACTGTCCGTACCTGGCGGTGAAATCACCCCT GCCATCCCTGCAGTCGCTGGCATCCTGTTCTTCTTGTGATGGGGACCTGTCCGCACCACTTCAGC GACCCCGGAGTCTCCACGAGCCACGCTGATGAAGCCCGCATCTGGAAGGCAATAGATATCGCA AACGGCACCAAGTTCAGGGGGGTACCGCCCGCTCCAGAACCAAGAAATCATCATCAATGGCCAGACC GTGAAACTTAAATACTGTTTACCTGCAAGATTTCCGGCCCCCTCGCGCTCCATTGCAGCCTTTGT GATAACTGCGTAGAACGGTTTGATCACCCTGTCCCTGGTAGGCAACTGTGTGGGAAAAGAACTAC AGATTTTTTATATGTTTATTTTATCTCTGTCTTTCTGACAGTCTTTATTTGCATTCTGTTATCACC CACGTATTCTTCGTTACAGCAAACAGGATTCTAAATGCCCTTAAGGACAGTCTGCAAGCGTCTG GAGGCTGTGGTGTCTTCTCTGTCTGGTCCATCGTTGGCTCTCAGGATTCCACACCTACTTGATC AGCTCCAACAGACAACAAATGAGGACATTAAGGATCCTGGTCAAATAAAGAGGTAAAGAAAATTAC AATCCCTACAGTACGGAATATCTTTACCAACTGCTGTGTTGCCCTGTGTGGGCCATCTACCAAGC CTGATCGACAGAAGAGGGTACATCCAGCCGACACGCGCAGCCAGCAGCACCTCCAATGGCATCACC ATGTACGGGGCCACGAGTCACAGAGTGACATGGCTGCAGCCACGCCCCCTGCTGCAGAGCGAGCCAGC CTCACCAGCGACGAGTGCACCTGCCCGGAAGCCTGGCTGGGCACGCCCTGCGCCAGCCTCACACTG GGCCCCCCACACCGCCGCTCCATGCCCAACCTCGCGAGGCCACGCTCGCGGACGTGATGCCCGG AAAGATGAGCACATGGGCCACCAAGTTCCTGACGCCGATGAGGCGCCCTCGCCCCCAGGCTACTGGCG GCGGGCAGCCCCCTGGCGCACAGCCGACCATGCACGTGCTGGGCTGGCCAGCCAGGACTCCCTGCAT GAGGACTCTGTGCGCGGCTGGTGAAGCTCAGCTCCGTGTA ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC </pre>
Restriction Sites:	SgfI-MluI
ACCN:	NM_153746
Insert Size:	1422 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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_153746.1</u>
RefSeq Size:	2774 bp
RefSeq ORF:	1422 bp
Locus ID:	79683
UniProt ID:	<u>Q8IZN3</u>
Cytogenetics:	6q25.3
Domains:	zf-DHHC
Protein Families:	Transmembrane
MW:	51.7 kDa
Gene Summary:	Palmitoyltransferase that could catalyze the addition of palmitate onto various protein substrates. May have a palmitoyltransferase activity toward the beta-2 adrenergic receptor/ADRB2 and thereby regulate G protein-coupled receptor signaling (PubMed:27481942). May play a role in cell differentiation and apoptosis (PubMed:21151021, PubMed:24407904).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1, which results in a shorter protein (isoform 2), compared to isoform 1.