OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG216616

ZDHHC14 (NM_153746) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZDHHC14
Synonyms:	NEW1CP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG216616 representing NM_153746
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCTCCCGGCGGCGGCGGGCCCATGAAAGACTGCGAGTACAGCCAGATCAGCACCCACAGCTCCTCCC
CCATGGAGTCGCCCCACAAGAAGAAGAAAATCGCGGCCCGGAGGAAATGGGAGGTGTTCCCGGGAAGAAA
CAAGTTCTTCTGTAACGGGAGGATCATGATGGCCCGGCAGACGGGCGTCTTCTACCTGACGCTCGTCCTC
ATCCTGGTCACTAGCGGACTCTTCTTCGCCTTCGACTGTCCGTACCTGGCGGTGAAAATCACCCCTGCCA
TCCCTGCAGTCGCTGGCATCCTGTTCTTCTTTGTGATGGGGACCCTGCTCCGCACCAGCTTCAGCGACCC
CGGAGTCCTCCCACGAGCCACGCCTGATGAAGCCGCCGATCTGGAAAGGCAAATAGATATCGCAAACGGC
ACCAGTTCAGGGGGGTACCGCCCGCCTCCCAGAACCAAAGAAGTCATCATCAATGGCCAGACCGTGAAAC
TTAAATACTGTTTCACCTGCAAGATTTTCCGGCCCCCTCGCGCCTCCCATTGCAGCCTTTGTGATAACTG
CGTAGAACGGTTTGATCACCACTGTCCCTGGGTAGGCAACTGTGTGGGGAAAAGAAACTACAGATTTTTT
TATATGTTTATTTTATCTCTGTCTTTTCTGACAGTCTTTATATTTGCATTCGTTATCACCCACGTCATTC
TTCGTTCACAGCAAACAGGATTCCTAAATGCCCTTAAGGACAGTCCTGCAAGCGTCCTGGAGGCTGTGGT
GTGCTTCTTCTCTGTCTGGTCCATCGTTGGCCTCTCAGGATTCCACACCTACTTGATCAGCTCCAACCAG
ACAACAAATGAGGACATTAAAGGATCCTGGTCAAATAAAAGAGGTAAAGAAAATTACAATCCCTACAGCT
ACGGAAATATCTTTACCAACTGCTGTGTTGCCCTGTGTGGGCCCATCTCACCAAGCCTGATCGACAGAAG
AGGGTACATCCAGCCCGACACGCCGCAGCCAGCAGCACCCTCCAATGGCATCACCATGTACGGGGCCACG
CAGTCACAGAGTGACATGGCTGCAGCCACGCCCCTGCTGCAGAGCGAGCCCAGCCTCACCAGCGACGAGC
TGCACCTGCCCGGGAAGCCTGGCCTGGGCACGCCCTGCGCCAGCCTCACACTGGGCCCGCCCACACCGCC
CGCCTCCATGCCCAACCTCGCCGAGGCCACGCTCGCGGACGTGATGCCCCGGAAAGATGAGCACATGGGC
CACCAGTTCCTGACGCCCGATGAGGCGCCCTCGCCCCCCAGGCTACTGGCGGCGGGCAGCCCCCTGGCGC
ACAGCCGCACCATGCACGTGCTGGGCCTGGCCAGCCAGGACTCCCTGCATGAGGACTCTGTGCGCGGCCT
GGTGAAGCTCAGCTCCGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

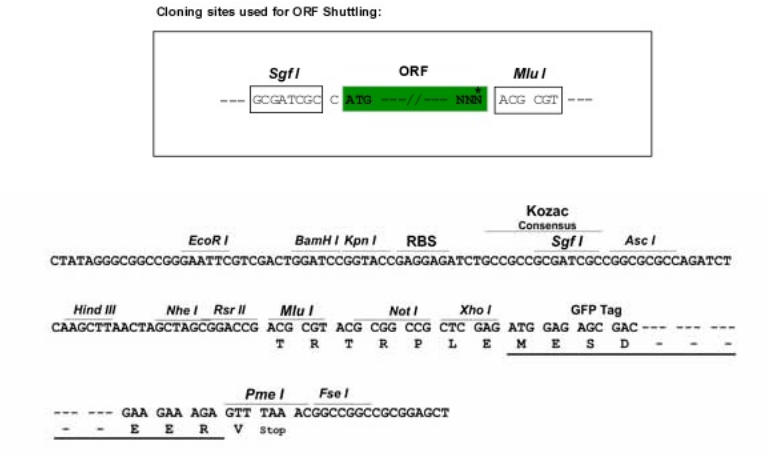
>RG216616 representing NM_153746
Red=Cloning site Green=Tags(s)

MPPGGGGPMKDCEYSQISTHSSSPMESPHKKKKIAARRKWEVFPGRNKFFCNGRIMMARQTGVFYLTLVL
ILVTSGLFFAFDCPYLAVKITPAIPAVAGILFFFVMGTLLRTSFSDPGVLPRATPDEAADLERQIDIANG
TSSGGYRPPPRTKEVIINGQTVKLKYCFTCKIFRPPRASHCSLCDNCVERFDHHCPWVGNCVGKRNYRFF
YMFILSLSFLTVFIFAFVITHVILRSQQTGFLNALKDSPASVLEAVVCFFSVWSIVGLSGFHTYLISSNQ
TTNEDIKGSWSNKRGKENYNPYSYGNIFTNCCVALCGPISPSLIDRRGYIQPDTPQPAAPSNGITMYGAT
QSQSDMAAATPLLQSEPSLTSDELHLPGKPGLGTPCASLTLGPPTPPASMPNLAEATLADVMPRKDEHMG
HQFLTPDEAPSPPRLLAAGSPLAHSRTMHVLGLASQDSLHEDSVRGLVKLSSV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_153746

ORF Size: 1419 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

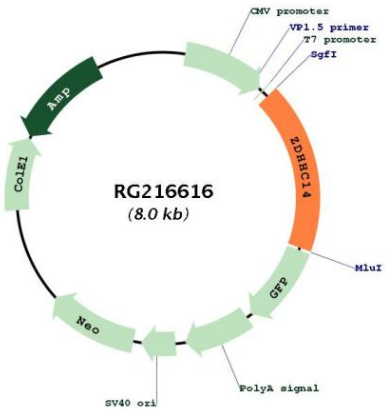
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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: NM_153746.2

RefSeq Size:	2774 bp
RefSeq ORF:	1422 bp
Locus ID:	79683
UniProt ID:	Q8IZN3
Cytogenetics:	6q25.3
Domains:	zf-DHHC
Protein Families:	Transmembrane
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]

Product images:



Circular map for RG216616