

Product datasheet for **RG218595**

ZDHC14 (NM_024630) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZDHC14
Synonyms:	NEWICP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >RG218595 representing NM_024630
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGCGGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCCTCCCGGGCGGGCGGGCCCATGAAAGACTGCGAGTACAGCCAGATCAGCACCCACAGCTCCTCCC
 CCATGGAGTCGCCCCACAAGAAGAAGAAAATCGCGGCCCGGAGGAAATGGGAGGTGTTCCCGGGAAGAAA
 CAAGTTCTTCTGTAACGGGAGGATCATGATGGCCCGGAGAGCGGGCGTCTTCTACCTGACGCTCGTCCTC
 ATCCTGGTCACTAGCGGACTCTTCTCGCCTTCGACTGTCCGTACCTGGCGGTGAAATACCCCTGCCA
 TCCCTGCAGTCGCTGGCATCCTGTTCTTCTTTGTATGGGACCCGTGCTCCGCACAGCTTCAGCGACCC
 CGGAGTCCTCCACGAGCCACGCTGATGAAGCCGCCGATCTGGAAGGCAAAATAGATATCGAAACGGC
 ACCAGTTCAGGGGGTACCGCCCGCTCCAGAACCAAGAAGTCATCATCAATGGCCAGACCGTGAAC
 TTAATACTGTTTACCTGCAAGATTTCCGGCCCCCTCGGCCTCCATTGCAGCCTTTGTATAACTG
 CGTAGAACGGTTTGATCACCCTGTCCCTGGTAGGCAACTGTGTGGGAAAAAGAACTACAGATTTTTT
 TATATGTTTATTTATCTGTCTTTCTGACAGTCTTTATATTTGCATTTCGTTATACCCACGTCATT
 TTCGTTACAGCAACAGGATTCCTAAATGCCCTTAAGGACAGTCCTGCAAGCGTCTCGAGGCTGTGGT
 GTGCTTCTTCTGTCTGGTCCATCGTTGGCCTCTCAGGATTCACACCTACTTGATCAGCTCCAACAG
 ACAACAAATGAGGACATTAAGGATCCTGGTCAATAAAGAGGTAAAGAAAATTACAATCCCTACAGCT
 ACGGAAATATCTTTACCAACTGCTGTGTTGCCCTGTGTGGGCCCATCTACCAAGCCTGATCGACAGAAG
 AGGGTACATCCAGCCGACACGCCGAGCCAGCAGCACCCTCCAATGGCATCACCATGTACGGGGCCACG
 CAGTCACAGAGTGACATGTGCGACCAAGACCAAGTGCATTGAGAGCACCAAATTCGTTTTGACGGTGCAG
 CCACGCCCCGTGTCAGAGCGAGCCAGCCTACCAGCGACGAGCTGCACCTGCCCGGGAAGCCTGGCCT
 GGGCAGCCCTGCGCCAGCCTCACACTGGGCCCGCCACACCGCCCGCCTCCATGCCCAACCTCGCCGAG
 GCCACGCTCGCGGACGTGATGCCCCGAAAGATGAGCACATGGGCCACCAAGTTCCTGACGCCGATGAGG
 CGCCCTCGCCCCCAGGCTACTGGCGGGGCGAGCCCTGGCGCACAGCCGACCATGCAGTGCTGGG
 CCTGGCCAGCCAGGACTCCCTGCATGAGGACTCTGTGCGGCCCTGGTGAAGCTCAGCTCCGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG218595 representing NM_024630
 Red=Cloning site Green=Tags(s)

MPPGGGPMKDCSEYSQISTHSSSPMESPHKKKIAARRKWEVFPGRNKKFCNGRIMMARQTGVFYLTLVL
 ILVTSGLFFAFDCPYLAVKITPAIPAVAGILFFVMGTLRLTSFSDPGVLPRATPDEAADLERQIDIANG
 TSSGGYRPPRTKEVIINGQTVKLKYCFTCKIFRPPRASHCSLDCNVERFDHHCWPWVGNVGNRYRFF
 YMFILSLSFLTIVIFAFVITHVILRSQQTGFLNALKDSPASVLEAVVCFVSVWSIVGLSGFHTYLISSNQ
 TTNEDIKGSWSNKRGENYNPYSYGNIFTNCCVALCGPISPSLIDRRGIQPDTPQPAAPNSGITMYGAT
 QSQSDMCDQDQIQSTKFVLQAAATPLLQSEPSLTSDELHLPKPGGLGTPCASLTLGPPTPPASMPNLAE
 ATLADVMPRKDEHMGHQLTPDEAPSPRLLAAGSPLAHSRTMHVGLASQDSLHEDSVRGLVKLSSV

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_024630

ORF Size: 1464 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:

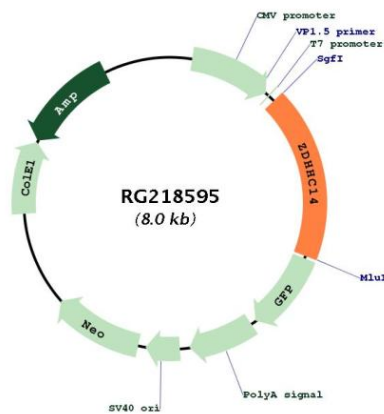
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_024630.3](#)

RefSeq Size:	2821 bp
RefSeq ORF:	1467 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 RG218595