

Product datasheet for RC200927

ZDHHC16 (NM_032327) Human Tagged ORF Clone

Product data:

| | |
|--------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | ZDHHC16 (NM_032327) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | ZDHHC16 |
| Synonyms: | APH2; DHHC-16 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| ORF Nucleotide Sequence: | >RC200927 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCGAGGCCAGCGGAGCCTGCTGCTGGGCCCGCCGCCTCTGCCTCCGCCTCCTTCTGCTGCTGGGT
ACAGGCGCGCTGTCCACCTCTACTCCGGGTCTAGTACAGCGCTGGCGCTACGGCAAGGTCTGCCTGCC
CTCCCTGCTCTACAACCTCTTTGGGGCAGTGACACCGCTGTTGATGCTGCCTTTGAGCCTGTCTACTGG
CTGGTAGACAACGTGATCCGCTGGTTTGGAGTGGTGTTCGTGGTCTGGTATCGTGTGACAGGCTCCA
TTGTAGCTATCGCTACCTGTGTCTGCCTCTCATCTCCGAACCTACTCAGTGCCACGACTCTGCTG
GCATTTCTTCTATAGCCACTGGAATCTGATCCTGATTGTCTTCCACTACTACCAGGCCATCACCCTCCG
CCTGGGTACCCACCCAGGGCAGGAATGATATCGCCACCGTCTCCATCTGTAAGAAGTGCATTTACCCCA
AGCCAGCCCGAACACACCACTGCAGCATCTGCAACAGGTGTGTGCTGAAGATGGATCACCCTGCCCTG
GCTAAACAATTGTGTGGCCACTATAACCATCGTACTTCTTCTTTCTGCTTTTTTCATGACTCTGGGC
TGTGCTACTGCAGTATGGAAGTTGGACCTTTCCGGGAGGCTTATGCTGCCATTGAGAAAATGAAAC
AGCTCGACAAGAACAACACTACAGGCGTTGCCAACAGACTTATCACCAGACCCACCCACCTTCTC
CTTTGAGAAAGGATGACTCACAAGAGTCTGTCTACCTCTGGTTCCTGTGCAGTTCTGTGGCACTTGCC
CTGGGTGCCCTAACTGTATGGCATGCTGTTCTCATCAGTCGAGGTGAGACTAGCATCGAAAGGCACATCA
ACAAGAAGGAGAGACGTCGGCTACAGGCCAAGGGCAGAGTATTTAGGAATCCTTACAACCTACGGCTGCTT
GGACAACCTGGAAGGTATTCCTGGGTGTGGATACAGGAAGGCAGTGGCTTACTCGGGTGTCTTACCTTCT
AGTCACTTGGCCATGGGAATGGAATGAGCTGGGAGCCCCCTCCCTGGGTGACTGCTCACTCAGCCTCTG
TGATGGCAGTG

ACGCGTACGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC200927 protein sequence
 Red=Cloning site Green=Tags(s)

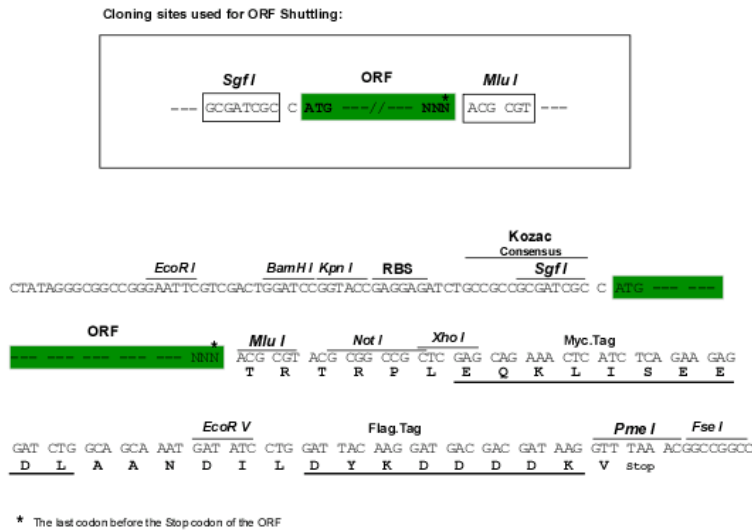
MRGQRLLLLGPARLCLRLLLLLGYRRRCPPLLRGLVQRWRYGKVCLRSLLYNSFGGSDTAVDAAFEFVYWLVDNVIRWFGVVFVVLVILVTGSIVAIAYLCVLPLILRTYVPRLCWHFFYSHWNLILIVFHYQAITTPPGYPPQGRNDIATVSICKKCIYKPKPARTHHCSICNRCVLKMDHHCPLWLNVCVGHYNHRYFFSFCFFMTLGCVYCSYGSWDLFREAYAAIEKMKQLDKNKLQAVANQTYHQTPPTFSFRERMTHKSLVYLWFLCSSVALALGALTVVHAVLISRGETSIERHINKKERRRLQAKGRVFRNPYNYGCLDNWKVFLGVDTGRHWLTRVLLPSHLPHNGMSWEPPPWTVAHSASVMAV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

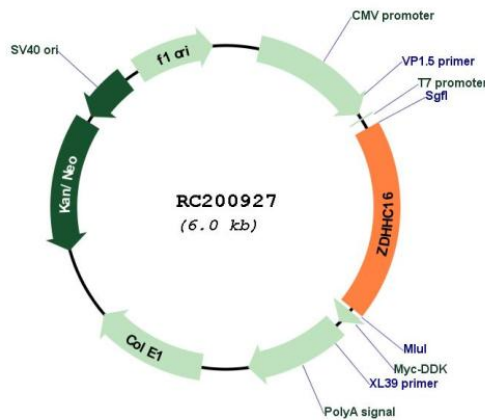
Chromatograms: https://cdn.origene.com/chromatograms/mk6381_d11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

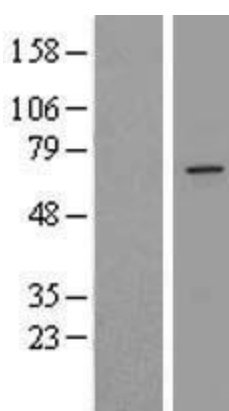


Plasmid Map:



| | |
|-------------------|--|
| ACCN: | NM_032327 |
| ORF Size: | 1131 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. |
| RefSeq: | NM_032327.3 |
| RefSeq Size: | 1856 bp |
| RefSeq ORF: | 1134 bp |
| Locus ID: | 84287 |
| UniProt ID: | Q969W1 |
| Domains: | zf-DHHC |
| Protein Families: | Transmembrane |
| MW: | 43.6 kDa |
| Gene Summary: | Palmitoyl acyltransferase that mediates palmitoylation of proteins such as PLN and ZDHHC6 (PubMed:28826475). Required during embryonic heart development and cardiac function, possibly by mediating palmitoylation of PLN, thereby affecting PLN phosphorylation and homooligomerization (By similarity). Also required for eye development (By similarity). Palmitoylates ZDHHC6, affecting the quaternary assembly of ZDHHC6, its localization, stability and function (PubMed:28826475). May play a role in DNA damage response (By similarity). May be involved in apoptosis regulation (By similarity). Involved in the proliferation of neural stem cells by regulating the FGF/ERK pathway (By similarity).[UniProtKB/Swiss-Prot Function] |

Product images:



Western blot validation of overexpression lysate (Cat# [LY405107]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC220850] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).