

Product datasheet for RC220850L3

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ZDHHC16 (NM_198046) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: ZDHHC16 (NM 198046) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: ZDHHC16

Synonyms: APH2; DHHC-16

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

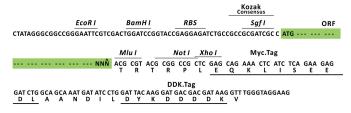
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC220850).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





st The last codon before the Stop codon of the ORF.

ACCN: NM_198046

ORF Size: 1131 bp





ZDHHC16 (NM_198046) Human Tagged Lenti ORF Clone - RC220850L3

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.

RefSeq: <u>NM 198046.1</u>

 RefSeq Size:
 1973 bp

 RefSeq ORF:
 1134 bp

 Locus ID:
 84287

 UniProt ID:
 Q969W1

 Cytogenetics:
 10q24.1

Protein Families: Transmembrane

MW: 43.5 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]