

## Product datasheet for **RC220850L4V**

### ZDHC16 (NM\_198046) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	ZDHC16 (NM_198046) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ZDHC16
Synonyms:	APH2; DHC-16
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_198046
ORF Size:	1131 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220850).
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. <a href="#">More info</a>
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:	<a href="#">NM_198046.1</a>
RefSeq Size:	1973 bp
RefSeq ORF:	1134 bp
Locus ID:	84287
UniProt ID:	<a href="#">Q969W1</a>
Cytogenetics:	10q24.1
Protein Families:	Transmembrane
MW:	43.5 kDa



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**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]