

Product datasheet for **RG200083**

ZDHC9 (NM_001008222) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZDHC9
Synonyms:	CGI89; CXorf11; DHHC9; MMSA1; MRXSZ; ZDHC10; ZNF379; ZNF380
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG200083 representing NM_001008222
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGTGATGGTGGTGAGAAAGAAGGTGACACGGAAATGGGAGAACTCCCAGGCAGGAACACCTTTT
GCTGTGATGGCCGCGTCATGATGGCCCGGCAAAAGGGCATTCTACCTGACCTTTTCTCATCTCTGGG
GACATGTACACTCTTCTCGCCTTTGAGTGCCGCTACCTGGCTGTTGAGCTGTCTCTGCCATCCCTGTA
TTTGCTGCCATGCTCTTCTTTTCTCCATGGCTACACTGTTGAGGACCAGCTTCAGTGACCTGGAGTGA
TTCTCGGGCGCTACCGATGAAGCAGCTTTCATAGAAATGGAGATAGAAGCTACCAATGGTGGGTCGCC
CCAGGGCCAGCGACCAACCGCTCGTATCAAGAATTTCCAGATAAACAACCAGATTGTGAAACTGAAATAC
TGTTACACATGCAAGATCTTCCGGCCTCCCGGGCCTCCCATTCAGCATCTGTGACAACTGTGTGGAGC
GCTTCGACCATCACTGCCCTGGGTGGGAATTGTGTTGAAAGAGGAAGTACCGCTACTTCTACCTCTT
CATCTTTCTCTCTCCCTCCTCACAATCTATGTCTTCGCTTCAACATCGTCTATGTGGCCCTCAAATCT
TTGAAATTTGGCTTCTTGAGACATTGAAAGAACTCCTGGAAGTCTTAGAAGTCTCATTTGCTTCT
TTAACTCTGGTCCGTCGTGGGACTGACTGGATTTCACTTTCTCTGCTGCTCAACAGACAACCA
TGAAGACATCAAAGGATCATGGACAGGGAAGAATCGCGTCCAGAATCCCTACAGCCATGGCAATATTGTG
AAGAAGTGTGTGAAGTGTGTGGCCCTTGCCCCCAGTGTGCTGGATCGAAGGGGTATTTTGGCAC
TGGAGGAAAGTGAAGTCGACCTCCAGTACTCAAGAGACCAGTAGCAGCCTTGTCCACAGAGCCAGC
CCCCACAGAACCTGAACTCAAATGAGATGCCGAGGACAGCAGCACTCCCGAAGAGATGCCACCTCCA
GAGCCCCAGAGCCACCACAGGAGGACGCTGAAGCTGAGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



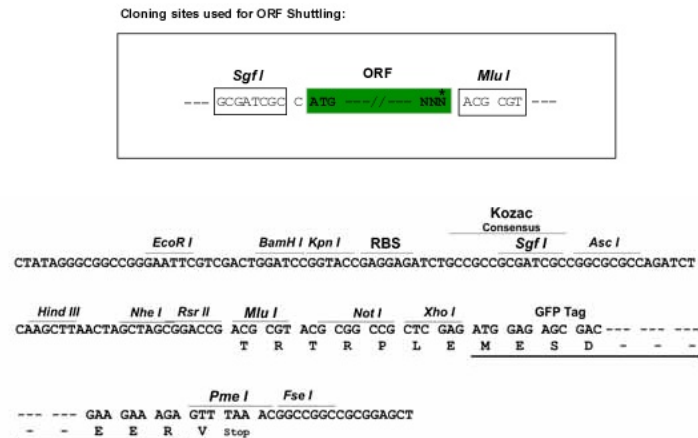
Protein Sequence: >RG200083 representing NM_001008222
 Red=Cloning site Green=Tags(s)

MSVMVVRKKVTRKWEKLPGRNTFCCDGRVMMARQKGIFYLTLFLILGTCTLFFAFECRYLAVQLSPAIPV
 FAAMLFLFSMATLLRTSFSDPGVIPRALPDEAAFIEMEIEATNGAVPQQRPPRIKNFQINNQIVKLKY
 CYTCKIFRPPRASHCSICDNCVERFDHHCWPWGNVCVGRNRYFYFLILSLLLTIYVFAFNIVYVALKS
 LKIGFLETLKETPGTVLEVLICFFTLWSVVLGTGFHTFLVALNQTNEDIKGSWTGKNRVQNPYSHGNIV
 KNCCEVLGCLPPSVLDRRGILPLEESGRPPSTQETSSLLPQSPAPTEHLNSNEMPEDSSTPEEMPPP
 EPPEPPQEAEEAEK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001008222

ORF Size: 1092 bp

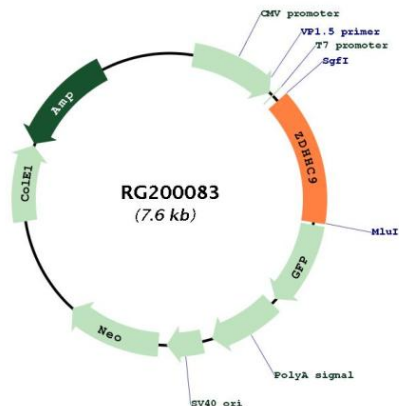
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<u>NM_001008222.3</u>
RefSeq Size:	2913 bp
RefSeq ORF:	1095 bp
Locus ID:	51114
UniProt ID:	<u>Q9Y397</u>
Cytogenetics:	Xq26.1
Protein Families:	Transmembrane
Gene Summary:	This gene encodes an integral membrane protein that is a member of the zinc finger DHHC domain-containing protein family. The encoded protein forms a complex with golgin subfamily A member 7 and functions as a palmitoyltransferase. This protein specifically palmitoylates HRAS and NRAS. Mutations in this gene are associated with X-linked cognitive disability. Alternate splicing results in multiple transcript variants that encode the same protein.[provided by RefSeq, May 2010]

Product images:



Circular map for RG200083