

Product datasheet for **RC200083**

ZDHHC9 (NM_001008222) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZDHHC9 (NM_001008222) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZDHHC9
Synonyms:	CGI89; CXorf11; DHHC9; MMSA1; MRXSZ; ZDHHC10; ZNF379; ZNF380
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC200083 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCTGTGATGGTGGTGAGAAAGAAGGTGACACGGAAATGGGAGAACTCCCAGGCAGGAACACCTTTT
GCTGTGATGGCCGCGTCATGATGGCCCGCAAAGGGCATTCTACCTGACCCTTTTCTCATCTCTGGG
GACATGTACTCTTCTCGCTTTGAGTGCCGCTACCTGGCTGTTGAGCTGTCTCTGCCATCCCTGTA
TTTGCTGCCATGCTTCTCTTTTCTCCATGGCTACTGTTGAGGACCAGCTTCAGTGACCCTGGAGTGA
TTCTCTCGGGCGTACCAGATGAAGCAGCTTTCATAGAAATGGAGATAGAAGCTACCAATGGTGCGGTGCC
CCAGGGCCAGCGACCACCGCTCGTATCAAGAATTTCCAGATAAACAACCAGATTGTGAAACTGAAATAC
TGTTACACATGCAAGATCTTCCGGCCTCCCCGGGCTCCCATGTCAGCATCTGTGACAACTGTGTGGAGC
GCTTCGACCATCACTGCCCTGGGTGGGAATTGTGTTGGAAAGAGGAATACCGCTACTTCTACCTCTT
CATCTTTCTCTCCTCCTCAAACTCTATGTCTTCCGCTTCAACATCGTCTATGTGGCCCTCAAATCT
TTGAAAATTGGCTTCTGGAGACATTGAAAGAACTCCTGGAAGTGTCTAGAAAGTCTCATTTGCTTCT
TTACTCTGGTCCGTCGTGGGACTGACTGGATTCATACTTCTCTGCTGCTCAACCCAGACAACCAA
TGAAGACATCAAAGGATCATGGACAGGGAAGAATCGCGTCCAGAATCCCTACAGCCATGGCAATATTGTG
AAGAAGTGTGAAGTGTGTGGCCCTTGGCCCGAGTGTGCTGGATCGAAGGGGTATTTGGCCAC
TGGAGGAAAGTGAAGTGCACCTCCAGTACTCAAGAGACCAGTGCAGCCTCTTGCCACAGAGCCGAGC
CCCCACAGAACCTGAACTCAAATGAGATGCCGAGGACAGCAGCACTCCCGAAGAGATGCCACCTCCA
GAGCCCCAGAGCCACCACAGGAGGAGCTGAAGCTGAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RC200083 protein sequence
Red=Cloning site Green=Tags(s)

```
MSVMVVRKKVTRKWEKLPGRNTFCCDGRVMMARQKGIFYLTLFLILGTCTLFFAFECRYLAVQLSPAIPV
FAAMLFLFSMATLLRTSFSDPGVIPRALPDEAAFIEMEIEATNGAVPQQQRPPRIKNFQINNQIVKLKY
CYTCKIFRPPRASHCSICDNCVERFDHHCWPWGNVCVGNRYRYFLFILSLTIYVFAFNIVYVALKS
LKIGFLETLKETPGTVLEVLICFFTLWSVVGLTGFHTFLVALNQTNEDIKGSWTGKNRVQNPYSHGNIV
KNCCVLCGPLPPSVLDRRGILPLEESGRPPSTQETSSLLPQSPAPTEHLNSNEMPEDSSTPEEMPPP
EPPEPPQEAAEAEK
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6402_f07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

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.

RefSeq: [NM_001008222.3](#)

RefSeq Size: 4639 bp

RefSeq ORF: 1095 bp

Locus ID: 51114

UniProt ID: [Q9Y397](#)

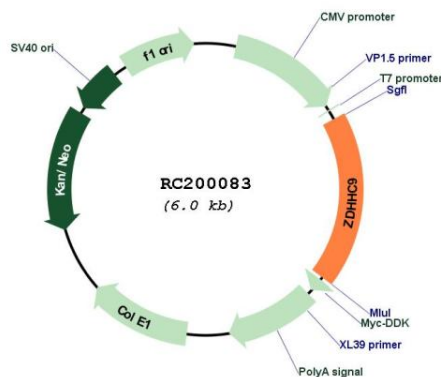
Cytogenetics: Xq26.1

Protein Families: Transmembrane

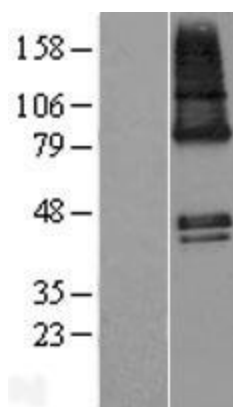
MW: 40.9 kDa

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 RC200083



Western blot validation of overexpression lysate (Cat# [LY414241]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC201025] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).