

Product datasheet for **MG216701**

Zdhhc9 (NM_172465) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Zdhhc9
Synonyms:	6430508G22; 9530098M12Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG216701 representing NM_172465
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGTGATGGTGGTAAGAAAGAAGGTGACACGGAAATGGGAGAACTCCCAGGCAGGAACACCTTCT
GCTGTGATGGCCGCGTCATGATGGCCCGGCAAAAGGGCATCTTCTACCTGACCCCTTCTCCTCATCTGGG
GACATGTACTCTTTTTCGCTTTCGAGTGTGCTACCTGGCTGTTGAGTGTCTCCTGCCATTCCTGTG
TTTGGCGCTATGCTCTTTCTTCCATGGCCACGCTGTTGAGGACAAGTTTCAGTGACCCCTGGAGTGA
TTCCCTCGAGCACTACCAGATGAAGCAGCTTTCATAGAAATGGAAATAGAAGCCACCAATGGTGCCGTGCC
ACAGGGCCAGCGACCCTCCTCGTATTAAGAATTTCCAGATAAACAACAGATTGTGAAACTGAAATAC
TGTTATACATGCAAGATCTCCGGCCTCCAGGGCCTCCCATTGTAGCATCTGTGACAACTGTGGGAGC
GCTTCGACCATCACTGCCCTGGGTGGGAACTGTGTTGAAAGAGGAACTACCGCTACTTCTACCTCTT
CATCCTCTCTCTCCCTCCTCACAATTTATGTCTTCGCTTTAACATCGTCTATGTGGCCCTCAAATCC
TTGAAAATGGCTTCTGGAGACACTGAAAGAAACGCCTGGAATGTTCTGGAAGTACTCATTTGCTTCT
TCACTCTCTGGTCTGTTGTGGGCTGACTGGATTTACACATTCCTTGTGGCTCTCAATCAGACCACAA
TGAAGACATCAAAGGATCATGGACAGGGAAGAATCGTGTGAGAATCCGTACAGCCACGGCAACATTGTG
AAGAAGTGTGAAGTCTTTGTGGCCCTTGCCCGCCAGTGTCTGGATCGAAGGGGATTTTGGCAC
TGGAGGAAAGTGAAGTCAAGTACTCAAGAGACCAGCAGTAGCCTGTTGCCACAGAGCCGACG
CTCCACAGAGCATATGAACTCTAATGAGATGGCAGAGGACACCAGCATTCTGAAGAGATGCCACCTCCA
GAACCCAGAGCCACCACAGGAGCATCCGAAGCTGAGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG216701 representing NM_172465
 Red=Cloning site Green=Tags(s)

MSVMVVRKKVTRKWEKLPGRNTFCDDGRVMMARQKGFYLTFLILGTCTLFFAFECRYLAVQLSPAIPV
 FAAMLFLFSMATLLRSTFSDPGVIPRALPDEAAFIEMEIEATNGAVPQGGORPPPRIKNFQINNQIVKLY
 CYTCKIFRPPRASHCSICDNCVERFDHHCWPWGNVCVGRNRYFYLFILSLLLTIYVFAFNIVYVALKS
 LKIGFLETLEKTPGTVLEVLICFFTLWSVVGLTGFHTFLVALNQTNEDIKGSWTGKNRVQNPYSHGNIV
 KNCCEVLCGPLPPSVLDRRGILPLEESGRPPSTQETSSLLPQSPASTEHMNSNEMAEDTSIPEEMPPP
 EPPEPPQEASEAEK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_172465

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: [NM_172465.4](#), [NP_766053.1](#)

RefSeq Size: 2995 bp

RefSeq ORF: 1095 bp

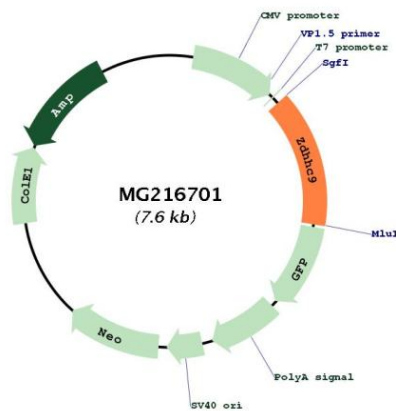
Locus ID: 208884

UniProt ID: [P59268](#)

Cytogenetics: X A5

Gene Summary: The ZDHHC9-GOLGA7 complex is a palmitoyltransferase specific for HRAS and NRAS. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG216701