

Product datasheet for **MR204174**

Zdhhc3 (NM_026917) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zdhhc3 (NM_026917) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zdhhc3
Synonyms:	1110020O22Rik; 1810006O10Rik; 2210017C02Rik; DHHC-3; GODZ; Gramp1; Zfp373
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204174 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

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ATGATGCTTATCCCCACCCATCACTTCCGAGACATTGAGCGGAAACCAGAGTACCTCCAGCCAGAGAAGT
GTGCCCCACCTCCCTTCCCTGGTCCTGCGGGAGCCATGTGGTTTATCCGAGATGGCTGTGGCATTGCTTG
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CGAGACTACGCGTACAGCATCATCAACGGAATTGTGTTCAACCTGCTGGCCTTCTGGCCCTGGCCTCCC
ACTGCCGGCCATGCTGACGGACCCCGGGCAGTGCCCAAAGGAAATGCCACTAAAGAGTTCATCGAGAG
CCTTCAGCTGAAGCCTGGGCAGGTGGTGTACAAGTGTCCAAGTGTGCAGCATCAAGCCCGACCGGGCA
CACCAGTGCAGTGTGTAAGCGGTGCATTGCAAGATGGATCACCAGTGCCTTGGGTCAACAAGTGTG
TCGGCGAGAACAACCAGAAGTACTTTGTCTATTCAATGTACATAGCTCTCATTTCCTTGACAGCCCT
CATCATGGTGGGATTCCACTTCCCTGCATTGCTTTGAAGAAGACTGGACAAAGTGCAGCTCCTTCTCGCCG
CCCACCACAGTCACTGCTCATCCTGCTGTGCTTTGAGGCCCTGCTCTTCTCATTTTCACATCAGTGA
TGTTTGGGACCAAGTCACTCCATCTGCACAGATGAGACGGGCATAGAACAATTGAAAAAGGAAGAGAG
AAGATGGGCTAAAAAACAAAAATGGATGAACATGAAAGCCGTGTTTGGCCACCCTTCTCTCTAGGCTGG
GCCAGCCCCTTGGCCACACCAGACCAAGGAAGGCAGACCCGTACCAGTATGTGGTC
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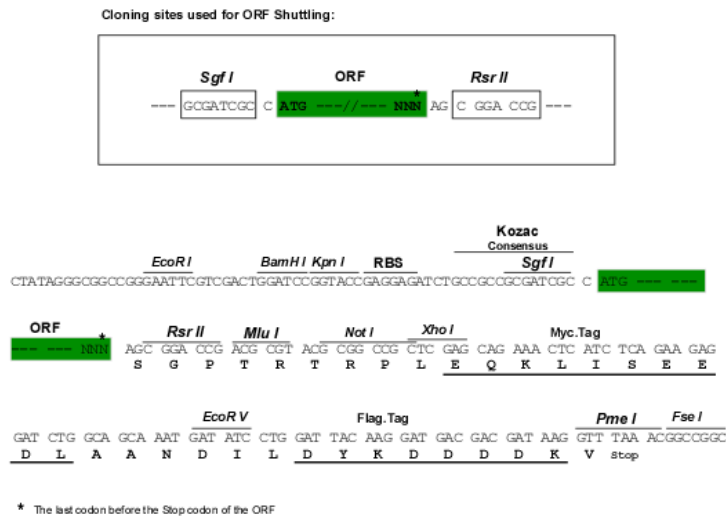
Protein Sequence: >MR204174 protein sequence
Red=Cloning site Green=Tags(s)

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MMLIPTHHFRDIERKPEYLQPEKAPPPFPGPAGAMWFIRDGCGIACAIVTWFLVLYAEFVVLVMLVPS
RDYAYSIINGIVFNLLAFLALASHCRAMLTDPGAVPKGNATKEFIESLQLKPGQVYVKCPKCCSIKPDRA
HHCSVCKRCIRKMDHHCWPVWNNVCGENNQKYFVLFMTYIALISLHALIMVGFHFLHCFEEDWTKCSSFSP
PTTVILLILLCFEALLFLIFTSVMFGTQVHSICTDETGIEQLKKEERRWAKKTKWMNMKAVFGHPFSLGW
ASPFATPDQ GKADPYQYVV
    
```

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_026917

ORF Size: 900 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_026917.6](#)

RefSeq Size: 6987 bp

RefSeq ORF: 900 bp

Locus ID: 69035

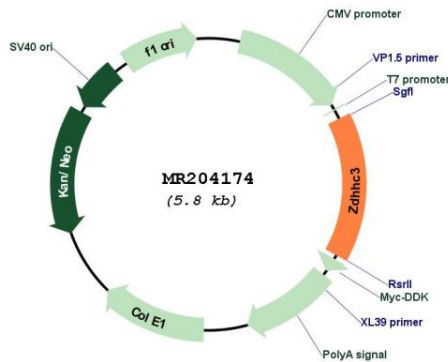
UniProt ID: [Q8R173](#)

Cytogenetics: 9 F4

MW: 34 kDa

Gene Summary: Palmitoyltransferase with broad specificity. Palmitoylates GABA receptors on their gamma subunit (GABRG1, GABRG2 and GABRG3), which regulates synaptic clustering and/or cell surface stability (PubMed:15229235). Palmitoylates glutamate receptors GRIA1 and GRIA2, which leads to their retention in Golgi (PubMed:16129400). May also palmitoylate DLG4, DNAJC5 and SNAP25 (PubMed:15603741, PubMed:25253725).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204174