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Product datasheet for RR207772

Zdhhc23 (NM_213627) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zdhhc23 (NM_213627) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zdhhc23
Synonyms:	DHHC23; nidd
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR207772 representing NM_213627 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAAGCCAGTAAAAAAAAAGAAAACCGAAGAGCCTGAATTGGAGCCCCTGTGTTGCTGTGAGTACATAG ATCGAAATGGGGAAAAGAACCACGTGGCTGCCTGTTTGTGTGATTGTCAGGACCTCGATGAAGGCTGTGA CAGATGGCTTACCTGTAAATCGCTTCGGCCGGAGACGTGTGAGAGAATCACGGATACGATTTCTGATCGC CTCCGAATTCCTTGGCTCCGAGGAGCCAAAAAAGTCAATATCAGCATCCTCCCCCCACTCGTGCTCTTGC CGGTTCTGCTCCGCGTGGCTTCCTGGCACTTCCTGCTGGGGGTGGTGGTTCTGACCTCCCTGCCCATGCT GGCACTGTGGTACTACTACCTCACTCACAGAAGGAAAGAGCAGACGCTGTTTTTCTTGAGCCTCGGTCTG TTCTCCCTGGGCTACATGTACTATGTGTTCTTGCAGGAAGTGGTCCCCCAAGGGCACGTAGGGCCCGCTC AGCTGGCCCTTCTCACCTGCGGGTTATTTCTGATACTCGTAGCCTTGTACCGAGCCAAGAAGAATCCAGG CTACCTCAGCAACCCAGCATGCAATGACAAATCCCCCAGCAACAGCCAAATCGAATGCCCGATCAAAAAA GGGCAGGAGAAGACCAAAGGGTTCCCCGGCACAGATACCTCGGGGAGCCTTAACAACCGCACACTGAAGG ACGATGCTAAGGGCTCCTCCAGGGTGGGGCTTGACAGCCCCGCCAAATCGAAGGAAGACTGGTGTGCCAA GTGCCAGCTAGTGCGGCCCGCCCGGGCGTGGCATTGCCGGATATGCGGTATCTGTGTGAGGAGAATGGAT CACCATTGTGTCTGGATAAACAGCTGCGTCGGAGAATCAAACCATCAAGCGTTTATACTTGCTCTTTCCA TCTTCTTGCTCACTTCGGTTTACGGAATATCGCTGACCTTGAACACCATCTGTAGGGACAGAAGCCTCTT CACAGCCCTCTTCTACTGTCCTGGAGTTTACGCTAATTACAGCTCAGCTCTATCCTTCACCTGCGTGTGG TACTCGGTGATCATCACAGCCGGCATGGCCTACATCTTCCTCATCCAGCTGATAAACATCAGCTACAATG TGACGGAGAGGGAAGTGCAGCAGGCCCTTCGGCAGAAGACGGGGCGCCGGCTCCTCTGTGGGCTCATTGT GGACACGGGCCAGTACAACAGGGGCTTCCTGCGCAACTGGCTCCAGTTCTCCACCCTAGGCACACGCACA GTCCACACCCCTGCCGAGGACATTGTC ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

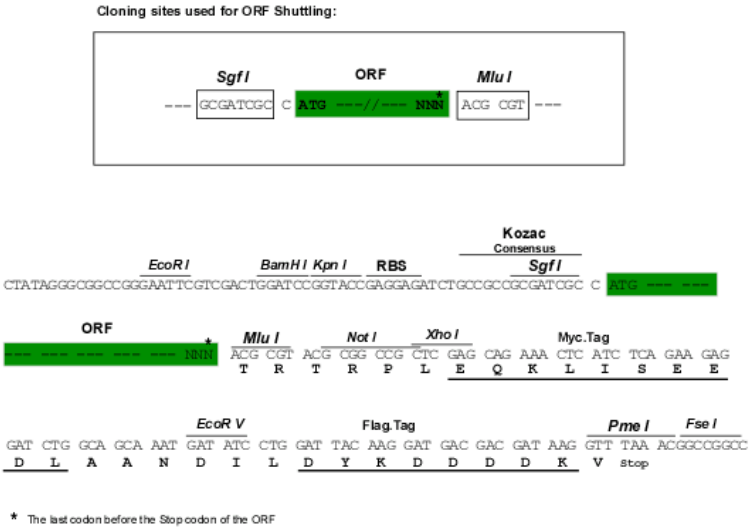
>RR207772 representing NM_213627
Red=Cloning site Green=Tags(s)

MKPVKKKKTEEPELEPLCCCEYIDRNGEKNHVAACLCDCQDLDEGCDRWLTCKSLRPETCERITDTISDR
LRIPWLRGAKKVNISILPPLVLLPVLLRVASWHFLLGVVVLTSLPMLALWYYYLTHRRKEQTLFFLSLGL
FSLGYMYYVFLQEVVPQGHVGPAQLALLTCGLFLILVALYRAKKNPGYLSNPACNDKSPSNSQIECPIKK
GQEKTKGFPGTDTSGSLNNRTLKDDAKGSSRVGLDSPAKSKEDWCAKCQLVRPARAWHCRICGICVRRMD
HHCVWINSCVGESNHQAFILALSIFLLTSVYGISLTLNTICRDRSLFTALFYCPGVYANYSSALSFTCVW
YSVIITAGMAYIFLIQLINISYNVTEREVQQALRQKTGRRLLCGLIVDTGQYNRGFLRNWLQFSTLGTRT
VHTPAEDIV

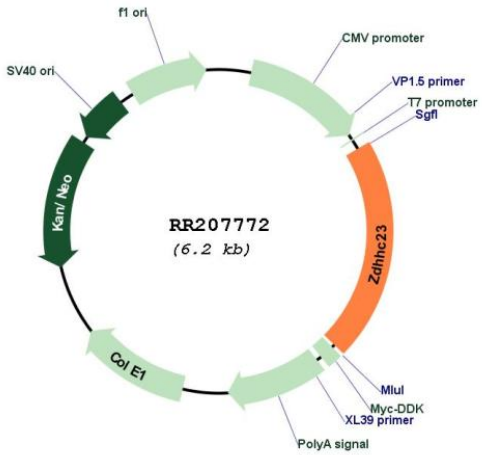
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_213627

ORF Size:	1287 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_213627.2, NP_998792.2
RefSeq Size:	1984 bp
RefSeq ORF:	1290 bp
Locus ID:	363783
UniProt ID:	Q76IC6
Cytogenetics:	11q21
MW:	48.5 kDa
Gene Summary:	Palmitoyltransferase that mediates palmitoylation of KCNMA1, regulating localization of KCNMA1 to the plasma membrane (By similarity). May be involved in NOS1 regulation and targeting to the synaptic membrane.[UniProtKB/Swiss-Prot Function]