

Product datasheet for RR212342

Zdhhc15 (NM_001039101) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zdhhc15 (NM_001039101) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zdhhc15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR212342 representing NM_001039101 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGCGGGGCTGGAAGATGGCTCTGTCTGGGGGTTGCGGTGCTGCCCGGGTACTGTCCTGGGTGC
CAGTGCCTGTTATTGTCTCTGCTGTTCTCTGGTCTACTATGCCTACGCTTTGAACTCTGCCTGGTGAC
TGTTTTGAGCCCAGCAGAAAAAGTTATCTACCTCATACTCTATCATGCCATTTTTGTGTTCTTTGCATGG
ACCTACTGGAAGTCTATCTTTACACTCCCACAGCAGCCCAACCAGAAGTCCACTTGTCCATACAGACA
AGGAGCGCTATAAAAAATGAAGAGAGACCTGAGGTCCAGAAGCAGATGCTTGTTGGATATGGCCAAGAAGT
ACCAAGTGTACACAAGAACCGGGAATGGAGCTGTACGGTCTGTGACCGGTGTCATCTAATCAAGCCAGAC
CGCTGCCATCACTGTTCTGTCTGTGCCATGTGTGTTTTAAAAATGGACCATCATTGCCCATGGGTTAATA
ACTGCATTGGATTTTCCAACACAAAATCTTCCTTCAGTCTTAGCGTATTCCGTTCTCTACTGCCTGTA
CATTGCTACAACAGTCTTCAGCTACTTCATCAAACTGGAGAGGGGAATGCCAGTGTGCGCTCTAAG
TTCCATGTCTCTTTCTCTCTTTGTGGCTGCATGTTTTTTGTCAGCCTTGTTGATTCTCTTTGGTTACC
ATTGTTGGCTTGTGAGCAAAACAAAACCTTAGAGGCCTTCTGCACACCAGTATTTACAAGTGGACC
AGAGAAAAATGGGTTCAATCTTGCTTCATCAAGAATATTCAGCAGGTGTTGGCGATAATAAGAAGTTC
TGTTAATACCTATTGGGTCCAGCCCTGGTGATGGACACTCCTTCTATGAGGTCTATGAATGAGTCCC
AGAACCCGCTACTGGCAAATGAGGAACCTGGGAAGACAACGAGGATGAAAGTCAAGATTATCCAGAAGG
CTTGTCGTCACCTGCTGTGGAGTCAGAAACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR212342 representing NM_001039101
Red=Cloning site Green=Tags(s)

MRRGWKMALSGGLRCCRRVLSWVPVLVIVLVVLSYAYVFELCLVTVLSPA EKVIYLILYHAIFVFFAW
 TYWKSIF TLPQQPNQKFHLSYTDKERYKNEERPEVQKQMLVDMAKKLPVYTRTGNGAVRFCDRCHLIKPD
 RCHHC SVCAMCVLKMDHHC PWNNCIGFSNYKFFLQFLAYSVL YCLYIATTVFSYFIKYWRGELPSVRSK
 FHVLFLLFVACMFFVSLVILFGYHCWLVSRNKTLEAFCTPVFTSGPEKNGFNLGFIKNIQQVFGDNKKF
 WLIPIGSSPGDGHSPMRSMNESQNP LLANE EPWEDNEDESDYPEGLSSLAVESET

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja3368_d10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001039101

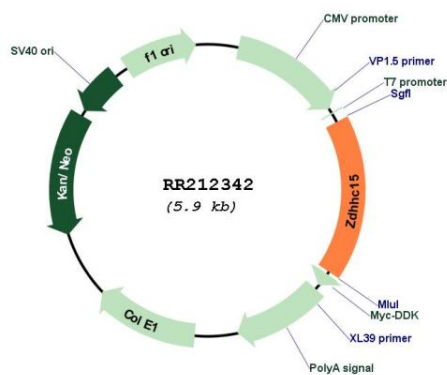
ORF Size: 1011 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<ol style="list-style-type: none"> 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:	<u>NM_001039101.1, NP_001034190.1</u>
RefSeq Size:	2901 bp
RefSeq ORF:	1014 bp
Locus ID:	317235
UniProt ID:	<u>Q2TGJ4</u>
Cytogenetics:	Xq22
MW:	39.3 kDa
Gene Summary:	Catalyzes palmitoylation of Cys residues on target proteins. Catalyzes palmitoylation of GAP43 and DLG4/PSD95.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR212342