

Product datasheet for **RR212775**

Nsdhl (NM_001009399) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nsdhl (NM_001009399) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nsdhl
Synonyms: MGC105618
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR212775 representing NM_001009399
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACAGGCTGTTTCGTAGTGAATCAAAGAAAGGCCAGGTCACAGGGACAGATTTGATAAATGAAGTTT
CCAAAGCTAAGAAGTGCACAGTATTGGAGGCTCTGGGTTCTGGGGCAGCACATGGTAGAGCAGTTGCT
ATCGCGAGGCTATGCTGTCAATGTATTTGATGTCCGCCAAGGCTTTGATAACCCTCGGGTGCAGTTCTTC
ATAGGTGACCTGTGCAACCAACAGGACCTGTACCCAGCTCTCAAAGGTGTAAAGCACAGTTTTCCACTGTG
CGTCACCCCGTCAAACAGTAACAACAAGGAGCTCTTTATAGAGTGAATTCCTACTGGCACCACAAAGACTGT
CATTGAAACCTGCAAAGAGGCTGGAGTTCAGAACTCATTTTAAACCAGCTCTGCCAGTGTGTCTTTGAG
GGTGTGATATAAAAAATGGAACGAAGACCTCCCTTATGCCATGAAGCCATTGACTACTATACAGAGA
CCAAGATCTTGCAGGAAAGAGCAGTACTGGATGCCAACGACCCTAAGAAGAATTTTTAACTGCAGCCAT
TCGTCTCATGGCATATTTGGCCCAAGAGATCCCCAGTTGGTCCCAGTCTAATTGATGCAGCTAGAAAA
GGCAAAATGAAGTTCATGATTGAAATGGGAAGAACCTGGTGGACTTACCTTCGTGGAGAATGTAGTTC
ATGGACACATCTTAGCAGCTGAGCACCTCTCGAGATGCAGGCTGGGTGGGAAGGCATTTCCACATCAC
CAACGATGAGCCAATCCCTTTCTGGACGTTCTGTCCCGCATTCTGACAGGCCTCAATTATGAGGCCCCC
AAGTACCACATCCCTACAGGGTGGCCTACTATCTTGCTTTCTGCTATCTACTGGTAATGGTGTCTCA
GCCCTCTCATCCAAATCCAGACAACCTTTACACCATTTCCGGTGGCACTGGCTGGAACATTCCTACTTA
CAGTTGTGAGAAAGCCAAAAGCTCATTGGGTACCGGCCACTGGTCACCATGGATGATGCTGTGGAAGG
ACTGTGCAGATTTCCACCACCTGCGGAAGGACAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR212775 representing NM_001009399
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MEQAVRSESKKGQVTGTDLINEVSKAKKCTVIGGSGFLGQHMVEQLLSRGYAVNVFVDRQGFDPNPRVQFF
 IGDLCNQDLYPALKGVSTVFHCASPPSNSNNKELFYRVNSTGKTVIETCKEAGVQKILITSSASVVFE
 GVDIKNGTEDLPYAMKPIDYYTETKILQERAVLDANDPKKNFLTAAIRPHGIFGPRDPQLVPVLIDAARK
 GKMKFMIGNGKNLVDFTFVENVVHGHILAAEHLSRDAGLGKAFHITNDEPIPFWTFLSRILTGLNVEAP
 KYHIPYRVAYLLAFLLSLLVMVLSPLIQITTFPFRVALAGTFHYYSCEKAKKLIGYRPLVTMDDAVER
 TVQSFHHLRKDK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

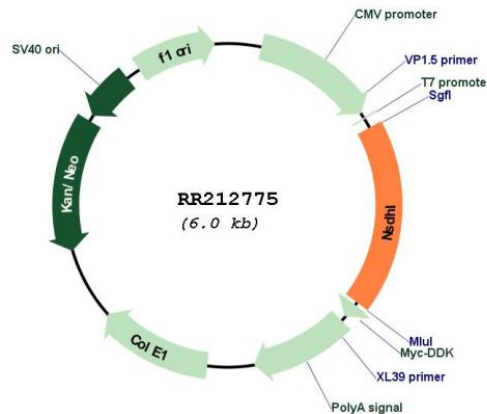
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001009399

ORF Size:	1086 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:	<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:	NM_001009399.1 , NP_001009399.1
RefSeq Size:	1750 bp
RefSeq ORF:	1089 bp
Locus ID:	309262
UniProt ID:	Q5PPL3
Cytogenetics:	Xq37
MW:	40.4 kDa
Gene Summary:	Involved in the sequential removal of two C-4 methyl groups in post-squalene cholesterol biosynthesis.[UniProtKB/Swiss-Prot Function]