

## Product datasheet for MR205558

### Nsdhl (NM\_010941) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nsdhl (NM_010941) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nsdhl
Synonyms:	A1747449; Bpa; H105E3; Str; XAP104
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205558 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAACAAGCTGTTTCATGGTGAATCAAAGCGAGGCCAGGTCACAGGAACACATTTGACAAATGACATTT  
CCAAAGCTAAGAAGTGACAGTATTGGAGGCTCTGGGTTCTGGGGCAGCACATGGTGGAGCAGTTGCT  
GGAGCGAGGCTATACTGTCAATGATTTGATATCCACCAAGGCTTTGATAACCCCGGGTGCAGTTCTTT  
ATAGGCGACCTGTGCAACCAACAGGACCTGTACCCAGCTCTCAAAGGTGAAGCATAGTTTTCCACTGCG  
CGTCCCTCCGCGTACAGTAACAACAAGGAGCTTTTTATAGAGTGAATTTTCATTGGCACCAAGACTGT  
CATTGAAACCTGCAGAGAGGCCGAGTTCAGAACTCATTTTAACCAGCAGTGCCAGTGTGTTGCTTTGAG  
GGTGTGACATAAAAAATGGAAGTGAAGACCTCCCTTACGCCATGAAGCCTATTGACTATTACACAGAGA  
CCAAGATCTTGACAGGAGAGAGCAGTACTGGATGCCAACGACCCTAAGAAGATTTTTTAACCGCAGCCAT  
TCGTCCTCATGGCATTTCGGCCCAAGGGACCCCAAGTGGTCCCAATCCTAATTGATGCAGCTAGAAAAG  
GGCAAAATGAAGTTCATGATTGGAATGGGAAAACCTGGTGGACTTACCTTCGTGGAGAATGTGGTTC  
ATGGACACATCTAGCCGCTGAGCACCTCTCCAAGATGCAGCTCTAGGTGGAAGGCATTTACATCAC  
CAACGATGAACCAATCCCTTTCTGGACGTTCTGTCCCGCATTCTGACAGGCCTCAATTATGAGGCCCT  
AAGTACCACATCCCCTACTGGATGGCCTATTACCTTGCTTTCTGCTATCTACTGGTGTGGTGTCA  
GCCCTCATCCAAATCCAGCCAACCTTTACACCAATTCGAGTGGCATTGGCTGGAACATTCCACTATTA  
CAGTTGTGAAAAAGCCAAAAAGCTTTTGGGTACCGGCCACTGGTCACCATGGATGAAGCTGTGGAAGG  
ACTGTGCAGAGTTTCACCACCTGCGGAAGGACAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR205558 protein sequence  
 Red=Cloning site Green=Tags(s)

MEQAVHGESKRGQVTGHTLTNDISKAKKCTVIGGSGFLGQHMVEQLLERGYTVNVFDIHQGFNDNPRVQFF  
 IGDLCNQDLYPALKGVSI VFHCASPPYSNNKELFYRVNFIGTKVIETCREAGVQKLILTSSASVVFE  
 GVDIKNGTEDLPYAMKPIDYYTETKILQERAVLDANDPKKNFLTAAIRPHGIFGPRDPQLVPILIDAARK  
 GKMKFMIGNGENLVDFTFVENVVHGHILAAEHLSDAALGGKAFHITNDEPIPFWTFLSRILTGLNVEAP  
 KYHIPYWMAYLAFLLSLLVMVVSPLIQIQTFTPIRVALAGTFHYYSCEKAKKLFGRPLVMTDEAVER  
 TVQSFHHLRKDK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_010941

**ORF Size:** 1089 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\\_010941.1](#), [NM\\_010941.2](#), [NM\\_010941.3](#), [NP\\_035071.3](#)

**RefSeq Size:** 2218 bp

**RefSeq ORF:** 1089 bp

**Locus ID:** 18194

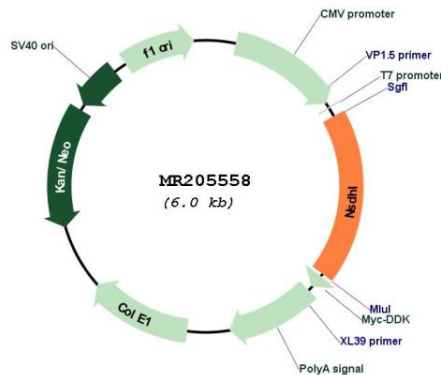
**UniProt ID:** [Q9R1J0](#)

**Cytogenetics:** X 37.29 cM

**MW:** 40.7 kDa

**Gene Summary:** Involved in the sequential removal of two C-4 methyl groups in post-squalene cholesterol biosynthesis.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR205558