

Product datasheet for **MG205558**

Nsdhl (NM_010941) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nsdhl (NM_010941) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nsdhl
Synonyms:	A1747449; Bpa; H105E3; Str; XAP104
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205558 representing NM_010941 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACAAGCTGTTTCATGGTGAATCAAAGCGAGGCCAGGTCACAGGAACACATTTGACAAATGACATTT
CCAAAGCTAAGAAGTGCACAGTATTGGAGGCTCTGGGTTCTGGGGCAGCACATGGTGGAGCAGTTGCT
GGAGCGAGGCTATACTGTCAATGTATTTGATATCCACCAAGGCTTTGATAACCCCGGGTGCAGTTCTTT
ATAGGCGACCTGTGCAACCAACAGGACCTGTACCCAGCTCTCAAAGGTGAAGCATAGTTTTCCACTGCG
CGTCCCCTCCGCGTACAGTAACAACAAGGAGCTTTTTATAGAGTGAATTTTCATTGGCACCAAGACTGT
CATTGAAACCTGCAGAGAGGCCGAGTTCAGAAACTCATTTTAACCAGCAGTGCCAGTGTGTCTTTGAG
GGTGTGACATAAAAAATGGAAGTGAAGACCTCCCTTACGCCATGAAGCCTATTGACTATTACACAGAGA
CCAAGATCTTGCAGGAGAGAGCAGTACTGGATGCCAACGACCCTAAGAAGATTTTTTAACCGCAGCCAT
TCGTCCTCATGGCATTTTCGGCCCAAGGGACCCCAAGTGGTCCCAATCCTAATTGATGCAGCTAGAAAAG
GGCAAAATGAAGTTCATGATTGGAATGGGAAAACCTGGTGGACTTACCTTCGTGGAGAATGTGGTTC
ATGGACACATCTAGCCGCTGAGCACCTCTCCAAGATGCAGCTCTAGGTGGAAGGCATTTACATCAC
CAACGATGAACCAATCCCTTTCTGGACGTTCTGTCCCGCATTCTGACAGGCCTCAATTATGAGGCCCT
AAGTACCACATCCCCTACTGGATGGCCTATTACCTTGCTTCTGCTATCTCTACTGGTATGGTGGTCA
GCCCTCTCATCCAAATCCAGCCAACCTTTACACCAATTCGAGTGGCATTGGCTGGAACATTCCACTATTA
CAGTTGTGAAAAAGCCAAAAAGCTTTTGGGTACCGGCCACTGGTCACCATGGATGAAGCTGTGGAAGG
ACTGTGCAGATTTCCACCACCTGCGGAAGGACAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205558 representing NM_010941
 Red=Cloning site Green=Tags(s)

MEQAVHGESKRGQVTGHTLTNDISKAKKCTVIGGSGFLGQHMVEQLLERGYTVNVFDIHQGFDPNPRVQFF
 IGDLCNQDLYPALKGVSI VFHCASPPYSNNKELFYRVNFIGTKVIETCREAGVQKILITSSASVVF
 GVDIKNGTEDLPYAMKPIDYYTETKILQERAVLDANDPKKNFLTAAIRPHGIFGPRDPQLVPILIDAARK
 GKMKFMIGNGENLVDFTFVENNVHGHILAAEHLSDAALGGKAFHITNDEPIPFWTFLSRLITGLNVEAP
 KYHIPYWMAYYLAFLLSLLVMVVSPLIQIPTFTPIRVALAGTFHYYSCEKAKKLFGYRPLVTMDEAVER
 TVQSFHHLRKDK

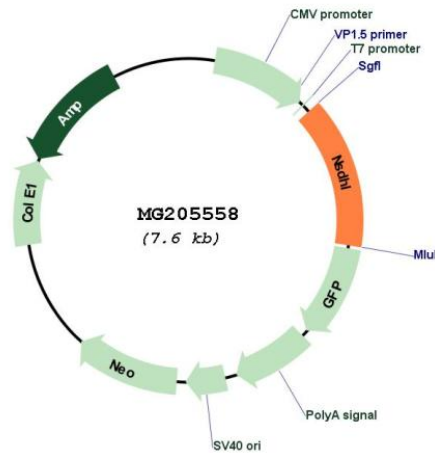
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_010941

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_010941.3 , NP_035071.3
RefSeq Size:	2218 bp
RefSeq ORF:	1089 bp
Locus ID:	18194
UniProt ID:	Q9R1J0
Cytogenetics:	X 37.29 cM
Gene Summary:	Involved in the sequential removal of two C-4 methyl groups in post-squalene cholesterol biosynthesis.[UniProtKB/Swiss-Prot Function]