

Product datasheet for **SC323011**

NSDHL (NM_001129765) Human Untagged Clone

Product data:

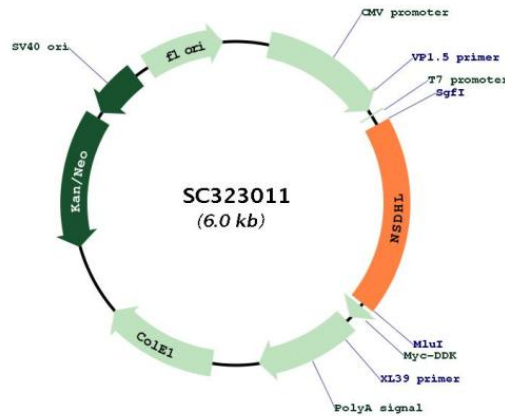
Product Type:	Expression Plasmids
Product Name:	NSDHL (NM_001129765) Human Untagged Clone
Tag:	Tag Free
Symbol:	NSDHL
Synonyms:	H105E3; SDR31E1; XAP104
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC323011 representing NM_001129765. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGAAC CAGCAGTTAGCGAGCCAATGAGAGACCAAGTCGCACGGACTCATTGACAGAGGACACTCCC
AAAGTGAATGCTGACATAGAAAAGGTTAACAGAATCAGGCCAAGAGATGCACAGTGATCGGTGGCTCT
GGATTCTGGGGCAGCACATGGTGGAGCAGTTGCTGGCAAGAGGATATGCTGTCAATGTATTTGATATC
CAGCAAGGTTTGATAATCCCCAGGTGCGGTTCTTTCTGGGTGACCTCTGCAGCCGACAGGATCTGTAC
CCAGCTCTGAAAGGTGTAACACAGTTTTCCACTGTGCGTCACCCCCACCATCCAGTAACAACAAGGAG
CTCTTTTATAGAGTGAATTACATTGGCACCAAGAATGTCATTGAACTTGCAAAGAGGCTGGGGTTCAG
AAACTCATTTTAAACCAGCAGTGCCAGTGTATCTTTGAGGGCGTCGATATCAAGAATGGAAGTGAAGAC
CTTCCCTATGCCATGAAACCCATTGACTACTACACAGAGACTAAGATCTTACAGGAGAGGGCAGTTCTG
GGCGCCAACGATCCTGAGAAGAATTTCTTAACCACAGCCATCCGCCCTCATGGCATTTCGGCCCAAGG
GACCCGAGTTGGTACCCATCCTCATCGAGGCAGCCAGGAACGGCAAGATGAAGTTCGTGATTGGAAT
GGGAAGAACTTGGTGGACTTCACCTTTGTGGAGAACGTGGTCCATGGACACATCCTGGCGGCAGAGCAG
CTCTCCGAGACTCGACACTGGGTGGGAAGCATTTCACATCACC AATGATGAGCCCATCCCTTTCTGG
ACATTCTGTCTCGATCCTGACAGGCC TCAATTATGAGGCCCAAGTACCACATCCCTACTGGGTG
GCCTACTACCTGGCCCTCCTGCTATCCCTGCTGGTGATGGTGATCAGTCCCTGTCATCCAGCTGCAGCCC
ACCTTACACCCATGCGGGTGCCTGGCTGGCATTCCACTACTACAGCTGCGAGAGAGCCAAAAG
GCCATGGGCTACCAGCCACTAGTGACCATGGATGATGCTATGGAGAGACCGTGCAGAGCTTTGCCAC
CTGCGGAGGGTCAAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001129765

Insert Size: 1122 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001129765.1](#)

RefSeq Size: 1648 bp

RefSeq ORF: 1122 bp

Locus ID: 50814

UniProt ID: [Q15738](#)

Cytogenetics: Xq28
Protein Families: Transmembrane
Protein Pathways: Metabolic pathways, Steroid biosynthesis

MW: 41.9 kDa

Gene Summary: The protein encoded by this gene is localized in the endoplasmic reticulum and is involved in cholesterol biosynthesis. Mutations in this gene are associated with CHILD syndrome, which is a X-linked dominant disorder of lipid metabolism with disturbed cholesterol biosynthesis, and typically lethal in males. Alternatively spliced transcript variants with differing 5' UTR have been found for this gene. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (2) contains an additional 5' non-coding exon, hence has a longer 5' UTR compared to variant 1. Transcript variants 1 and 2 encode the same protein.