

Product datasheet for **SC106825**

STARD3NL (NM_032016) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STARD3NL (NM_032016) Human Untagged Clone
Tag:	Tag Free
Symbol:	STARD3NL
Synonyms:	MENTHO
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC106825 sequence for NM_032016 edited (data generated by NextGen Sequencing)

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ATGAACCACCTGCCAGAAGACATGGAGAACGCTCTCACCGGGAGCCAGAGCTCCCATGCT
TCTCTGCGCAATATCCATTCCATCAACCCACACAACCTCATGGCCAGGATTGAGTCTAT
GAAGGAAGGGAAAAGAAAGGCATATCTGATGTCAGGAGGACTTTCTGTTTGTTCACC
TTTGACCTCTTATTCGTAACATTACTGTGGATAATAGAGTTAAATGTGAATGGAGGCATT
GAGAACACATTAGAGAAGGAGGTGATGCAGTATGACTACTATTCTTCATATTTTGATATA
TTTCTTCTGGCAGTTTTTCGATTTAAAGTGTTAACTTGCATATGCTGTGTGCAGACTG
CGCCATTGGTGGGCAATAGCGTTGACAACGGCAGTGACCAGTGCCTTTTTACTAGCAAAA
GTGATCCTTTGCAAGCTTTTCTCTCAAGGGGCTTTTGGCTATGTGCTGCCCATCATTTCA
TTCATCCTTGCTGGATTGAGACGTGGTTCCTGGATTTCAAAGTGTTACCTCAAGAAGCA
GAAGAAGAAAACAGACTCCTGATAGTTCAGGATGCTTCAGAGAGGGCAGCACTTATACCT
GGTGGTCTTTCTGATGGTCAGTTTTATTCCCCTCCTGAATCCGAAGCAGGATCTGAAGAA
GCTGAAGAAAACAGGACAGTGAGAAACCACTTTTAGAACTATGA
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Clone variation with respect to NM_032016.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032016 unedited
 GTCAAATGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGGTCCCGGGGCT
 GCTGGGTGCGGGCGGTGGGCTGCGCGTTGTCCGCTGGACTGGGTCCCGGTACGCCCCGC
 CAAGCCCCGCCCCCTCAGGCCGGGGCGCGACCGCGGATCCGCAGTTCGCGGCCAGCTGG
 GGCGGCCGCCAGGAACCACCCGTTAAGGTGTCTTCTTTAGGGATGGTGAAGTTGGAA
 AAAGGTCCTGTAAACCTCCTCCAGGATGAACACCTGCCAGAAGACATGGAGAACGCTC
 TCACCGGGAGCCAGAGCTCCCATGCTTCTCTGCGCAATATCCATTCCATCAACCCACAC
 AACTCATGGCCAGGATTGAGTCCTATGAAGGAAGGGAAAAGAAAGGCATATCTGATGTCA
 GGAGGACTTTCTGTTTGTTCACCTTTGACCTTTATTTCGTAACATTACTGTGGATAA
 TAGAGTTAAATGTGAATGGAGGCATTGAGAACACATTAGAGAAGGAGGTGATGCAGTATG
 ACTACTATTCTTCATATTTTATATATTTCTTCTGGCAGTTTTTCGATTTAAAGTGTAA
 TACTTGCATATGCTGTGTGCAGACTGCGCCATTGGTGGGAATAGCGTTGACAACGGCAG
 TGACCAGTGCCTTTTTACTAGCAAAAGTGATCCTTTGAAAGCTTTTCTCTCAGGGGCTTT
 TGGCTATGTGCTGCCATCATTTATTTCATCCTTGCTGGATTGAGACGTGGTTCCTGGA
 TTTCAAAGTGTTACCTCAAGAGCAGAAGAAGAAACAGACTCCTGATAGTTCAGGATGCTT
 CAGAGAGGCAGCCTTATACCCTGTGGTCTTTCTGATGGTCAGTTTTATTCCCCTCTGAA
 TCCGAANCAGATCTGAGAAGCTGANGAAAACAGNCACTGAGAAACACTTTAGACTTGAT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_032016 unedited
 NNTTGCTGNCCGCGGCCGCAATCTAGATCGAGTTTTTTTTTTTTTTTTTTAATTTAGT
 TCATTTTAATTGAAATGGCTGAACGCAAAGGAAACATGATATGAATGGTTTAAGTCATT
 TTGTGCATTCAAATAAGAGTATTTAGAACATTTCAGAACAATCAGAGAAAAACATGATT
 TCATGATAAAAAAATAACAAATGTCTGGTGACATTTTACATGTATTCGCAATTCCTTTCT
 TCCCCTTTTGCAAGTCCAACACTTCAGGCCATACACATAATGCAAAACAAGAAAAATAAA
 ACTAGCCACATTGACATGTCAGATTTTATTACACTTTTTAAAACTGTACAAGAGACAT
 GTGCATGAGTTAAAAACAAGGGAAATGTAGAGTGTTAAAAAAGAAATACAAAATAAATC
 TGAGACATGAAACAAAAAATCCATTCTGTGAATTGAAATAAAAAGGTATCTTGCTTAC
 TAAAAAAGTGTTACTTCAATATATTAAGTCTTTTGATTAGGAATACAGCACAAAGACTTTC
 TTCACCCATTTGCTAACACTTCAGGCTCAGTCTCATTGAAGAGAGGATGAATCATGACAT
 CTACCTTACCAGCCCCAGGCCGCGCACTTAATGCACCTGGATACGGCACACCTTTTCGCGA
 GGTAATACAACACATAAATCTTTATTACCTGCTCAATCAACCCCGCGTGCACGCCACCC
 TCCCAACCCCTACACGGCGATGGTCACACCCCTGCCTGACTCTTTATTGCCCCACGGCCT
 CTTGTGCGGGTTCTCACCACCCACCAATTTTATAATCAATGTTCTACAACCGGCTCCCC
 ACTCACGCGTATCAGCTCACCTCGCTCACAACCCGCTCTCGACCGTCGCACTGCCTTATC
 ACGCTCCCCGCACTTCTCCACCACTCCCCTTGCCTCCATTATCTGACATTTCACTCT

Restriction Sites:

NotI-NotI

ACCN:

NM_032016

Insert Size:

1720 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).

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_032016.2](#), [NP_114405.1](#)

RefSeq Size: 1646 bp

RefSeq ORF: 705 bp

Locus ID: 83930

UniProt ID: [O95772](#)

Cytogenetics: 7p14.1

Protein Families: Transmembrane

Gene Summary: This gene encodes a late-endosomal protein that contains a conserved MENTAL (MLN64 N-terminal) domain. The encoded protein binds cholesterol molecules and may play a role in endosomal cholesterol transport through interactions with metastatic lymph node protein 64 (MLN64). [provided by RefSeq, Sep 2011]