

## Product datasheet for **SC326978**

### MLN64 (STARD3) (NM\_001165938) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MLN64 (STARD3) (NM_001165938) Human Untagged Clone
Tag:	Tag Free
Symbol:	MLN64
Synonyms:	CAB1; es64; MLN64
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326978 representing NM_001165938. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGCAAGCTGCCAGGGAGCTGACCCGAGACTTGGAGCGCAGCCTGCCTGCCGTGGCCTCCCTGGGC
TCCTCACTGTCCACAGCCAGAGCCTCTCCTCGCACCTCCTTCGCCGCCTGAGAAGCGAAGGGCCATC
TCTGATGCCGCCGACCTTCTGTCTCTCGTACCTTCGACCTGCTCTTCATCTCCCTGCTCTGGATC
ATCGAAGTGAATACCAACACAGGCATCCGTAAGAAGTGGAGCAGGAGATCATCCAGTACAACCTTTAAA
ACTTCCTTCTTCGACATCTTTGCTGCTGGCCTTCTTCGGCTTCTCTGGACTGCTCCTAGGCTATGCCGTG
CTGCGGCTCCGGCACTGGTGGGTGATTGCGCTGCTCAGCAAAGGGGCATTTGGCTACCTGCTCCCATC
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TCCGAGGGACAGTTCTATTACCCCCAGAATCCTTTCAGGGTCTGACAATGAATCAGATGAAGAAGTT
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CTCGTGTACCAGGAGTGATCCTGCAGCCGAGAGGATGGTGTGTGGAACAAGACAGTACTGCCTGC
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GGCTTCATCGTGTCAAGTCGGCCAGTAACCCCGTGTTCACCTTTGTCTGGATTCTTAATACAGAT
CTCAAGGGCCGCTGCCCGGTACCTCATCCACCAGAGCCTCGCGGCCACCATGTTTGAATTTGCCCTT
CACCTGCGACAGCGCATCAGCGAGCTGGGGGCCCGGGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001165938
<b>Insert Size:</b>	1284 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001165938.1</a></u>
<b>RefSeq Size:</b>	2780 bp
<b>RefSeq ORF:</b>	1284 bp
<b>Locus ID:</b>	10948
<b>UniProt ID:</b>	<u><a href="#">Q14849</a></u>
<b>Cytogenetics:</b>	17q12
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	48.6 kDa
<b>Gene Summary:</b>	<p>This gene encodes a member of a subfamily of lipid trafficking proteins that are characterized by a C-terminal steroidogenic acute regulatory domain and an N-terminal metastatic lymph node 64 domain. The encoded protein localizes to the membranes of late endosomes and may be involved in exporting cholesterol. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Oct 2009]</p> <p>Transcript Variant: This variant (3) lacks an exon in the coding region, compared to variant 1. The encoded isoform (3) is shorter, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>