

Product datasheet for **SC326992**

MLN64 (STARD3) (NM_001165937) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MLN64 (STARD3) (NM_001165937) Human Untagged Clone
Tag:	Tag Free
Symbol:	STARD3
Synonyms:	CAB1; es64; MLN64
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326992 representing NM_001165937. Blue=Insert sequence Red=Cloning site Green=Tag(s)

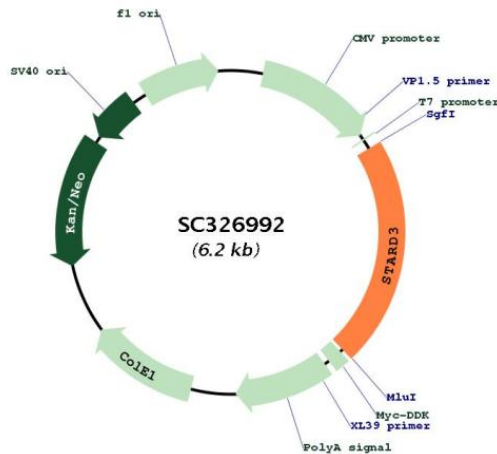
```
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGCAAGCTGCCAGGGAGCTGACCCGAGACTTGGAGCGCAGCCTGCCTGCCGTGGCCTCCCTGGGC
TCCTCACTGTCCACAGCCAGAGCCTCTCCTCGCACCTCCTTCCGCCGCTGAGAAGCGAAGGGCCATC
TCTGATGCCGCCACCTTCTGTCTTCTCGTACCTTCGACCTGCTCTTCATCTCCCTGCTCTGGATC
ATCGAACTGAATACCAACACAGGCATCCGTAAGAACTTGGAGCAGGAGATCATCCAGTACAACCTTAAA
ACTTCCTTCTTCGACATCTTTGCTGCTGGCCTTCTCCGCTTCTCTGGACTGCTCCTAGGCTATGCCGTG
CTGCGGCTCCGGCACTGGTCACGACGCTGGTGTCCAGTGCATTCTCATTGTCAAGTGCATCCTCTCTG
AGCTGCTCAGCAAAGGGCATTGGCTACCTGCTCCCATCGTCTCTTTGCTCCTCGCCTGGTTGGAGA
CCTGGTTCCTTGACTTCAAAGTCTACCCAGGAAGCTGAAGAGGAGCGATTCTGCTCCTCCAGGGTAT
CTTGCCGCCAGGTTGCTGTTGCCCGTGGACCCCTGCTGTTCTCCGGTGTCTGTCCGAGGGACAGTTC
TATTCACCCCAAGAAATCCTTTGCAGGGTCTGACAATGAATCAGATGAAGAAGTTGCTGGGAAGAAAAGT
TTCTCTGCTCAGGAGCGGGAGTACATCCGCCAGGGGAAGGAGGCCACGGCAGTGGTGGACCAGATCTTG
GCCAGGAAGAGAAGTGAAGTTTGAAGAATAATGAATATGGGGACACCGTGTACACCATTGAAGTT
CCCTTTCACGGCAAGACGTTTATCCTGAAGACCTTCTGCCCTGTCTGCCGAGCTCGTGTACCAGGAG
GTGATCCTGCAGCCCAGAGGATGGTGTGTGGAACAAGACAGTACTGCCTGCAGATCCTGCAGCGGA
GTGGAAGACAACCCCTCATCTCCTATGACGTGTCTGCAGGGGCTGCGGGCGGCGTGGTCTCCCAAGG
GACTTCGTGAATGTCCGGCGCATTGAGCGGCGCAGGGACCGATACTTGTATCAGGGATCGCCACCTCA
CACAGTGCCAAGCCCCGACGCACAAAATATGTCGGGGAGAGAATGGCCCTGGGGGCTTTCATCGTCTC
AAGTCGGCCAGTAACCCCGTGTTCACCTTTGTCTGGATTCTAATACAGATCTCAAGGGCCGCTG
CCCCGGTACCTCATCCACCAGAGCCTCGCGCCACCATGTTTGAATTTGCCTTTCACCTGCGACAGCGC
ATCAGCGAGCTGGGGGCCGGCGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```



[View online »](#)

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001165937

Insert Size: 1338 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_001165937.1](#)

RefSeq Size: 2834 bp

RefSeq ORF: 1338 bp

Locus ID: 10948

UniProt ID: [Q14849](#)

Cytogenetics: 17q12

Protein Families: Transmembrane

MW: 50 kDa

Gene Summary: 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]

Transcript Variant: This variant (2) has multiple differences in the coding region, which result in a restricted frameshift, compared to variant 1. The encoded isoform (2) is the same length as 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.