

Product datasheet for **RG228357**

MLN64 (STARD3) (NM_001165937) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MLN64 (STARD3) (NM_001165937) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	STARD3
Synonyms:	CAB1; es64; MLN64
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG228357 representing NM_001165937
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCAAGCTGCCAGGGAGCTGACCCGAGACTTGGAGCGCAGCCTGCCTGCCGTGGCCTCCCTGGGCT
 CCTCACTGTCCCACAGCCAGAGCCTCTCCTCGCACCTCCTTCCGCGCCTGAGAAGCGAAGGCCATCTC
 TGATGTCCGCCGACCTTCTGTCTCTTCGTCACCTTCGACCTGCTCTTCACTCCTGCTCTGGATCATC
 GAACTGAATACCAACACAGGCATCCGTAAGAACTTGGAGCAGGAGATCATCCAGTACAACCTTAAAACTT
 CCTTCTCGACATCTTTGTCTGGCCTTCTTCCGCTTCTCTGGACTGCTCCTAGGCTATGCCGTGCTGCG
 GCTCCGGCACTGGTCACGACGCTGGTGTCCAGTGCATTCTCATTGTCAAGGTATCCTCTCTGAGCTGC
 TCAGCAAAGGGCATTGGCTACCTGCTCCCATCGTCTCTTTGTCTCGCCTGGTGGAGACCTGGTT
 CCTTGACTTCAAAGTCTACCCAGGAAGCTGAAGAGGAGCGATTCTGCTCCTCCAGGGTATCTTGCCGC
 CCAGGTTGCTGTTGCCCGTGGACCCCTGCTGTTCTCCGGTCTGTCCGAGGGACAGTTCTATTACCC
 CCAGAATCCTTTGACAGGCTGACAATGAATCAGATGAAGAAAGTTGCTGGGAAGAAAAGTTCTCTGCTC
 AGGAGCGGGAGTACATCCGCCAGGGGAAGGAGGCCACGGCAGTGGTGGACCAGATCTTGGCCAGGAAGA
 GAACTGGAAGTTTGAAGAATAATGAATATGGGGACACCGTGTACACCATTGAAGTTCCCTTTACGGC
 AAGACGTTATCTGAAGACCTTCTGCCCTGTCTGCGGAGCTCGTGTACCAGGAGGTGATCCTGCAGC
 CCGAGAGGATGGTGTGTGGAACAAGACAGTACTGCCTGCCAGATCCTGCAGCGAGTGGAAAGACAACAC
 CCTCATCTCTATGACGTGTCTGAGGGGCTGCGGGCGCGTGGTCTCCCAAGGGACTTCGTGAATGTC
 CGGCGCATTGAGCGCGCAGGGACCGATACTTGTATCAGGGATCGCCACCTCACACAGTCCCAAGCCCC
 CGACGCACAAATATGTCGGGGGAGAGAATGGCCCTGGGGCTTCATCGTGTCAAGTCGGCCAGTAACCC
 CCGTGTGTTGCACCTTTGCTGGATTCTTAATACAGATCTCAAGGGCCGCTGCCCGGTACCTCATCCAC
 CAGAGCCTCGCGCCACCATGTTTGAATTTGCCTTTCACCTGCGACAGCGCATCAGCGAGCTGGGGGCC
 GGGCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG228357 representing NM_001165937
 Red=Cloning site Green=Tags(s)

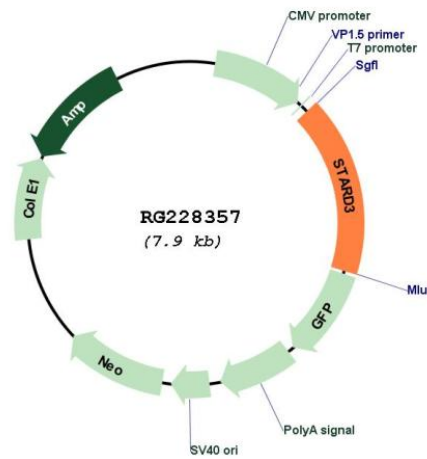
MSKLPRELTRDLERSLPVAVSLGSSLSHSQSLSSHLLPPPEKRRAISDVRRFTCLFVTFDLLFISLLWII
 ELNNTNGIRKNLEQEI IQYNFKTSFFDIFVLAFFRFSGLLLGYAVLRLRHWSRRWCPVHSSLSRSSLSLSC
 SAKGHLATCSPSSLLSSPGWRPGLT SKSYPRKLKRSDSAPPGYLAQVAVARGPLLFSGALSEGQFYSP
 PESFAGSDNESDEEVAGKKSFSAQEREYIRQGKEATAVVDQILAQEENWKFENNEYGDTVYTIIEVPFHG
 KTFILKTFLPCPAELVYQEVILQPERMVLWNKTVTACQILQRVEDNTLISYDVSAGAAGGVVSPRDFVNV
 RRIERRRDRYLSGIIATSHSAKPPTHKYVRGENGPGGFIVLKSASNPRVCTFVWILNTDLKGRLPYLIH
 QSLAATMFEFAFHLRQRISELGARA

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001165937

ORF Size: 1335 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:	<u>NM_001165937.1</u> , <u>NP_001159409.1</u>
RefSeq Size:	2834 bp
RefSeq ORF:	1338 bp
Locus ID:	10948
UniProt ID:	<u>Q14849</u>
Cytogenetics:	17q12
Protein Families:	Transmembrane
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]