

Product datasheet for **MG202850**

Stard3nl (NM_024270) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Stard3nl
Synonyms:	0610035N01Rik; 6530409L22Rik; AW124774; MENTHO
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG202850 representing NM_024270
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAACCATCTCCAGAACACATGGAGAACACTCTGACGGGGAGCCAGAGCTCACACGCTTCTCTGCGAG
ACATCCATTCCATCAACCCTGCGCAGCTCATGGCCAGGATTGAGTCTATGAAGGAAGGGAAAAGAAAGG
CATTTCTGATGTCGGGAGGACTTTTGTCTTTGTCACCTTTGACCTTTATTTGTAACGTTACTGTGG
ATAATAGAGTTAAATGTGAACGGAGGCATCGAGAACCCTGAAGAAGGAAGTATTCACTATGACTACT
ACTCCTCTTACTTTGATATTTCTTTTGGCAGTTTTTCGATTCAAAGTCTGATACTTGGGTATGCTGT
ATGCAGATTGCGCCATTGGTGGCAATAGCGTTAAACAACAGCAGTGACCAGTGCCTTTCTATTAGCAAAA
GTGATCCTCTCAAAGCTTTTCTCAAGGGGCATTTGGCTATGTGTTGCCCATTTTCATTATCCTTG
CCTGGATTGAGACGTGGTTCTGGATTTCAAAGTGTACCTCAAGAGGCAGAAGAAGAAAACAGACTCCT
GCTCGTTCCAGGATCGTCCGAGAGGGCAGCTCTCATCCCCGAGGGCTCTCTGATGGTCAGTTTTACTCC
CCTCCTGAGTCTGAAGCAGGATCTGAAGAAGAAGCTGAGGAAAAACAGGAGAGTGAGAAACCGCTTTTGG
AACTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG202850 representing NM_024270
 Red=Cloning site Green=Tags(s)

MNHLPEHMENTLTGSQSSHASLRDIHSINPAQLMARIESYEGREKKGISDVGRTFCLFVTFDLLFVTLW
 IIELNVNGGIENLKKVEIHYDYSSYFDIFLLAVFRFKVLILGYAVCRLRHWWAIALTTAVTSAFLAK
 VILSKLFSQGAFGYVLP IISFILAWIETWFLDFKVL PQEAEEENRLLL VQDASERAALIPAGLSDGQFY S
 PPESEAGSEEEAEKQSEKPLLEL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024270

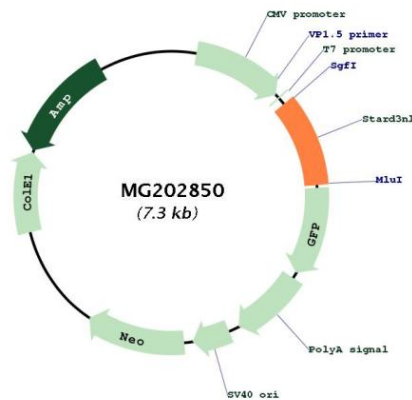
ORF Size: 705 bp

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_024270.1
RefSeq Size:	1301 bp
RefSeq ORF:	708 bp
Locus ID:	76205
UniProt ID:	Q9DCI3
Cytogenetics:	13 A2
Gene Summary:	Tethering protein that creates contact site between the endoplasmic reticulum and late endosomes: localizes to late endosome membranes and contacts the endoplasmic reticulum via interaction with VAPA and VAPB.[UniProtKB/Swiss-Prot Function]

Product images:

Circular map for MG202850