

## Product datasheet for **MG202623**

### Stard4 (NM\_133774) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Stard4 (NM_133774) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Stard4
Synonyms:	4632419C16Rik; 9030213J02Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202623 representing NM_133774 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGACCCTGAGAGCCCGTGGTCACAGATTGGCAGGAAGATCAAACCTGGAAGGACTGTCTGATGTTG  
CCTCTATTTCACTAACTTCAGAACACTCTGATCCAGTATCACAGCATCAAAGAAGATGAGTGGCGAGT  
TGCCAAAAAGTGAAAGATGTACCGTTGGAGAAAACCTCAGAAGAGTTAATGGGTATCTATATAAA  
GCTCAAGGAGTTATGGATGACGTGGTCAATAATGTAATAGACCATATCCGCCAGGGCCCTGGCGCTTG  
ACTGGGACCGTTAATGACCTCCCTGGATGTTCTGGGACTTTGAAGAGAATTGTGTGTGATGCGTTA  
CACCCTGCTGGGAGCTTTTAAATATTATTTCCCGAGAGAGTTGTTGATTTCTCTATACTGTGGGC  
TATGAAGAAGGACTTTTATCCTGTGGTGTGAGTGTGAGTGGAGTGGAGACGAGACCAGAGTTTGTCCGTG  
GCTATAACCATCCCTGTGGCTGGTTCTGTGTTCCACTCAAAGACAGTCCAAGCCAGAGTCTTCTTACAGG  
CTATATTCAGACAGACCTGCGTGGCATGATCCCTCAGTCTGCCGTAGATACAGCAATGGCGAGCAGGTTA  
GCCAACTTCTACAGTGATTTGCGAAAAGGTCTACGCAAGGCA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG202623 representing NM\_133774  
 Red=Cloning site Green=Tags(s)

MADPESPWSQIGRKIKLEGLSDVASISTKLQNTLIQYHSIKEDEWRVAKKVKDVTVWRKPSEEFNGLYLK  
 AQGVMDVVNNVIDHIRPGPWRLDWDRMLTSLDLVLEHFEENCCVMRYTTAGQLLNIISPREFVDFSYTVG  
 YEEGLSCGVSVSEWSETRPEFVRGYNHPCGWFCVPLKDSPSQSLLTGYIQTDLRGMIPQSAVDTAMASTL  
 ANFYSDLRKLKLRKA

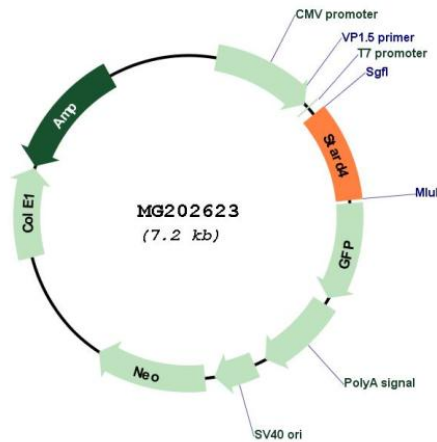
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_133774

**ORF Size:** 672 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_133774.2</a> , <a href="#">NP_598535.1</a>
<b>RefSeq Size:</b>	2986 bp
<b>RefSeq ORF:</b>	675 bp
<b>Locus ID:</b>	170459
<b>UniProt ID:</b>	<a href="#">Q99JV5</a>
<b>Cytogenetics:</b>	18 18.18 cM
<b>Gene Summary:</b>	May be involved in the intracellular transport of sterols or other lipids. May bind cholesterol or other sterols.[UniProtKB/Swiss-Prot Function]