

## Product datasheet for **MG206544**

### Mansc1 (NM\_026345) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mansc1 (NM_026345) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mansc1
Synonyms:	9130403P13Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206544 representing NM_026345 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTCTTCAGGGGAACCAAGCTTGGCTTACGCATTGGTAGTCATTTCTTCTGACACCAAGGTCGCTCTG  
CTGGTCAGAACTGCCTACCAAGAGTCTAGAAGACGTTGTCATTGACATCCAATCGTCGCTTTCAAAGG  
CATTTCGAGGCAATGAGCCATACACGTGGCAACTCAGGAAGACTGTGTCGGTGCCTGCTGTTCAACAAA  
GACATAGCAGGGGACAAGGCATGTAATTTGATGATCTTTGACACCCGGAAGACAGACAGACAGCCCACT  
GCTACCTGTTTTCTGTCCAGCGAGGATGCCTGTCCGCTGAAGCCAGCCAAGGGCCTTGTGACCTACAG  
GCTCATCAGAGATTTTCCGCTGACCAGCGCTAATTCATCACTCCAACAGTTAACACAAGGAGAGTCTCTC  
TACTTGACCATTTCGTCACCAAGGAGCCACCCCTGGGTTTCGTACCCAGCAGGTTACCCAAAGCCACCG  
GCCTGTCTGGAGTGACGGATCTTCTCTGAAGTCCACAGCCCCCTGCACTTGCGCAAACACATCAAGGC  
TGATGAAACAAGCACGCAGCTCCCTGAAGAAAAAGCCATTCTCAGAGTTTACAGCTTCCCTCGAACTA  
AAAATGGCTCATCTGCTCCCTAAAAGTGTGCCGACTCCACCTACCACTGTAGCTGTGGCTCCCTCCGTA  
ACGTCTCTGCCACCCTGAAGCCTGCGCTTCTGTTGACCAGCATTCAGTGACAGTAAGACTTTGAAGCA  
GAAGGAGGCCACCACAGCATCACCTGTACCACCGTGACCTCGAAGCTCCAGCAGTCCCTGGGTCTACA  
AGTTTTACACCCGTGGTTACACATCAGGCAGCTTTGACTAACACCTTTTCAGGCACATACAGACTCCAAAG  
GCATCTTAGAAACAATGCCCTTTCAAGGAGGCTCTACGCTGACTTCAGACCCGAGGCACGGGAAAAAGCTC  
AACCTCAGAGTCTTCCATTACAAACAAGACTGTTCTCTGGGAGGACAGGAGGGTCAAGTGTAGGCAGCGCA  
TCGCTGAACAAGGGTCCAAAAAGCCAGCATGGCCTTTTATTTGAGAAGTGGCTTCTCATTGGGACCTCC  
TTTGTGGTGTGTTTCTGGTAATAGGTCTCGTCCTTGGGTAGGATGCTGGTTGAAGCCCTCCGTAG  
GAAACGGTATTCAAGACTTGACTACTTGATCAACGGGATCTATGTTGACATC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206544 representing NM\_026345  
 Red=Cloning site Green=Tags(s)

MLFRGTSLAYALVVISFLTPRSSAGQNCLTKSLEDVVIDIQSSLSKGIRGNEPIHVATQEDCVGACCSTK  
 DIAGDKACNLMIKFDTRKTRQPCNYLFFCPSEDACPLKPAKGLVYRIRDFPLTSANSSLQQLTQGESL  
 LLDHSSPGATPGFRTPAGYPKPTGLSWSDGSSLKSTAPLHLRKHKADETSQLEEKSHSQSLQLPSEL  
 KMAHLLPKTVPTPTTAVAPLRNVSATLKPALLLTSISVTAKTLKQKEATTASPVTTVTSKLPVAVPGST  
 SFTPVVTHQAALNTFQAHTDSKGILETMPFQGGSTLSDPRHGKSSTSESSITNKASWEDRRVSVGSA  
 SLNKGPKSQHGLSFEKWLLIGTLGCVLFLVIGLVLLGRMLVEALRRKRYSRDLYLINGIYVDI

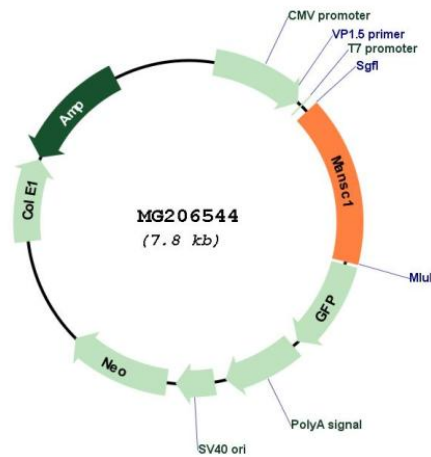
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_026345

<b>ORF Size:</b>	2402 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_026345.2</a>
<b>RefSeq Size:</b>	2375 bp
<b>RefSeq ORF:</b>	1245 bp
<b>Locus ID:</b>	67729
<b>UniProt ID:</b>	<a href="#">Q9CR33</a>
<b>Cytogenetics:</b>	6 G1