

Product datasheet for **MG206104**

Tsg101 (NM_021884) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tsg101 (NM_021884) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Tsg101
Synonyms: A1255943; CC2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG206104 representing NM_021884
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGTGTCCGAGAGTCAGCTGAAGAAGATGATGTCCAAGTACAAATATAGAGATCTAACCGTCCGTC
 AAAGTGTCAATGTCATCGCTATGTACAAAGATCTCAAACCTGTATTGGATTCATATGTTTTAATGATGG
 CAGTCCAGGGAGCTGGTGAACCTCACTGGTACAATCCCAGTGCATTATCGAGGTAATATATAATATT
 CCAATATGCCTGTGGCTGCTGGACACATACCCATATAACCCCTATCTGTTTTGTTAAGCCTACTAGTT
 CAATGACTATTAACAGGAAAGCATGTGGATGCAAATGGGAAAATCTACCTACCTTATCTACATGACTG
 GAAACATCCACGGTCAGAGTTGCTGGAGCTTATTCAAATCATGATTGTGATATTTGGAGAGGAGCCTCCA
 GTGTTCTCCCGCCTACTGTTTCTGCATCTACCCACCATACACAGCAACAGGGCCACCAATACCTCCT
 ACATGCCAGGCATGCCAAGTGAATCTCTGCATATCCATCTGGATACCCTCCCAACCCAGTGGTTATCC
 TGGCTGTCTTACCCACCTGCTGGCCCATACCCTGCCACAACAAGCTCACAGTACCCTTCCAGCCTCCT
 GTGACCACTGTTGGTCCCAGCAGAGATGGCACAATCAGTGAGGACACTATCCGTGCATCTCTCATCTCAG
 CAGTCAGTGACAACTGAGATGGCGGATGAAGGAGGAAATGGATGGTCCAGGCAGAGCTTAATGCCTT
 GAAACGAAACAGAGGAAGATCTGAAAAAGGCCACCAGAACTGGAAGAGATGGTACCCGCTTAGATCAA
 GAAGTAGCTGAAGTTGATAAAAACATAGAATTTTGAAGAAGGATGAAGAATAAGTTCTGCTCTGG
 AGAAAAATGGAAAATCAATCTGAAAATAATGATATTGATGAAGTTATCATTCCACAGCCCACTGTATAA
 ACAGATTCTAAATCTGTATGCAGAGGAAAATGCTATTGAAGACACTATCTTTTACCTGGAGAAGCTTTG
 CGGCGGGGAGTCATAGACCTGGATGTGTTCTGAAACACGTCCGCCTCTGTCCCGTAAACAGTCCAGC
 TAAGGGCACTAATGCAAAAGGCAAGGAAGACTGCGGGCCTTAGTGACCTCTAC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206104 representing NM_021884
Red=Cloning site Green=Tags(s)

MAVSESQLKKMMSKYKYRDLTVRQTVNVIAMYKDLKPVLDYSYVFDGSSRELVNL TGTIPVRYRGNINYNI
 PICLWLLDTPYNPPICFVKPTSSMTIKTGKHDANGKIYLPYLHDWKHPRSELLELIQIMIVIFGEEPP
 VFSRPTVSASYPPYTATGPPNTPSYMPGMPGSGISAYPSGYPPNPSGYPGCPYPPAGPYPATTSSQYPSQPP
 VTTVGPSRDGTISEDITRASLISAVSDKLRWRMKEEMDGAQAEALNALKRTEEDLKKGHQKLEEMVTRLDQ
 EVAEVDKNIELKKKDEELSSALEKEMENQSENNDIDEVIIPTAPLYKQILNLYAEENAIEDTIFYLGEAL
 RRGVIDLDVFLKHVRLLSRKQFQLRALMQKARKTAGLSLDLY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_021884

ORF Size: 1173 bp

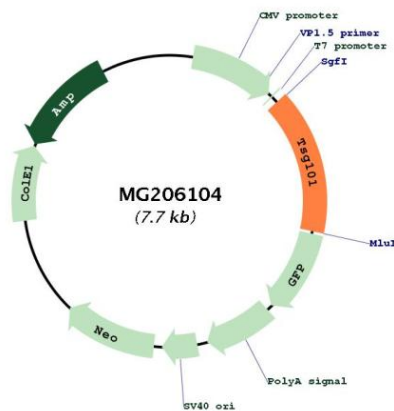
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_021884.4</u>
RefSeq Size:	1833 bp
RefSeq ORF:	1176 bp
Locus ID:	22088
UniProt ID:	<u>Q61187</u>
Cytogenetics:	7 B3
Gene Summary:	<p>Component of the ESCRT-I complex, a regulator of vesicular trafficking process. Binds to ubiquitinated cargo proteins and is required for the sorting of endocytic ubiquitinated cargos into multivesicular bodies (MVBs). Mediates the association between the ESCRT-0 and ESCRT-I complex. Required for completion of cytokinesis; the function requires CEP55. May be involved in cell growth and differentiation. Acts as a negative growth regulator. Required for the exosomal release of SDCBP, CD63 and syndecan (By similarity). It may also play a role in the extracellular release of microvesicles that differ from the exosomes (By similarity). [UniProtKB/Swiss-Prot Function]</p>

Product images:



Circular map for MG206104