

Product datasheet for MR206104

Tsg101 (NM_021884) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tsg101 (NM_021884) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tsg101
Synonyms:	A1255943; CC2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206104 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGTGTCCGAGAGTCAGCTGAAGAAGATGATGTCCAAGTACAAATATAGAGATCTAACCGTCCGTC
AAACTGTCAATGTCATCGCTATGTACAAAGATCTCAAACCTGTATTGGATTCATATGTTTTAATGATGG
CAGTTCAGGGAGCTGGTGAACCTCACTGGTACAATCCCAGTGCATTATCGAGGTAATATATAATATT
CCAATATGCCTGTGGCTGCTGGACACATACCCATATAACCCCTATCTGTTTTGTTAAGCCTACTAGTT
CAATGACTATTAACAGGAAAGCATGTGGATGCAAATGGGAAAATCTACCTACCTTATCTACATGACTG
GAAACATCCACGGTCAGAGTTGCTGGAGCTTATCAAATCATGATTGTGATATTTGGAGAGGAGCCTCCA
GTGTTCTCCCGCCTACTGTTTCTGCATCCTACCCACCATACACAGCAACAGGGCCACCAATACCTCCT
ACATGCCAGGCATGCCAAGTGAATCTCTGCATATCCATCTGGATACCCTCCCAACCCAGTGGTTATCC
TGGCTGTCCTTACCCACCTGCTGGCCCATACCTGCCACAACAAGCTCACAGTACCCTTCCAGCCTCCT
GTGACCACTGTTGGTCCCAGCAGAGATGGCACAATCAGTGAGGACACTATCCGTGCATCTCTCATCTCAG
CAGTCAGTGACAACTGAGATGGCGGATGAAGGAGGAAATGGATGGTGCCAGGCAGAGCTTAATGCCTT
GAAACGAAACAGAGGAAGATCTGAAAAAGGCCACCAGAACTGGAAGAGATGGTACCCGCTTAGATCAA
GAAGTAGCTGAAGTTGATAAAAACATAGAATTTTAAAAAGAAGGATGAAGAATAAGTTCTGCTCTGG
AGAAAATGGAAAATCAATCTGAAAATAATGATATTGATGAAGTTATCATTCCACAGCCCACTGTATAA
ACAGATTCTAAATCTGTATGCAGAGGAAAATGCTATTGAAGACACTATCTTTTACCTTGGAGAAGCTTTG
CGGCGGGGAGTCATAGACCTGGATGTGTTCTGAAACACGTCCGCCTCTGTCCCGTAAACAGTTCACG
TAAGGGCACTAATGCAAAGGCAAGGAAGACTGCGGGCCTTAGTGACCTCTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206104 protein sequence
 Red=Cloning site Green=Tags(s)

MAVSESQLKKMMSKYKYRDLTVRQTVNVIAMYKDLKPVLD SYVFN DGSREL VNL TGTIPVRYRGN IYNI
 PICLWLLDTYPYNPPICFVKPTSSMTIKTGKHDVANGKIYLPYLHDWKHPRSELLELIQIMIVIFGEEPP
 VFSRPTVSASYPYPYATGPPNTPSYMPGMP SGISAYPSGYPNPSGYPGCPYPPAGYPYATTSSQYPSQPP
 VTTVGPSRDGTISEDTIRASLISAVSDKLRWRMKEEMDGAQAE LNALKRTEEDLKKGHQKLEEMVTRLDQ
 EVAEVDKNIELKKKDEELSSALEKME NQSENNDI DEVI IPTAPLYKQILNLYAEENAIEDTIFYLGEAL
 RRGVIDLDVFLKHVRLLSRKQFQLRALMQKARKTAGLS DLY

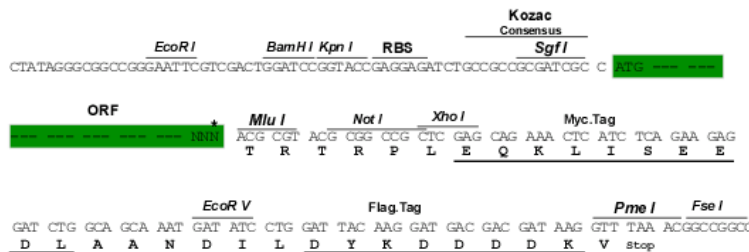
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_021884

ORF Size: 1176 bp

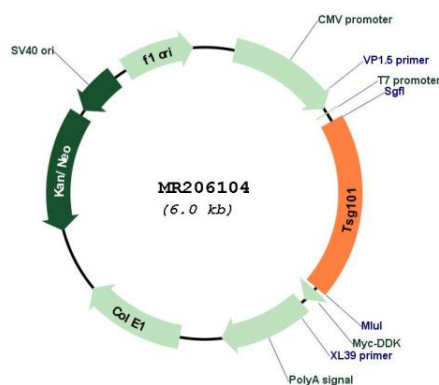
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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:	1832 bp
RefSeq ORF:	1176 bp
Locus ID:	22088
UniProt ID:	<u>Q61187</u>
Cytogenetics:	7 B3
MW:	44.1 kDa
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 MR206104