

Product datasheet for **MG224667**

Slc25a34 (NM_001013780) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc25a34 (NM_001013780) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slc25a34
Synonyms:	Gm1369
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG224667 representing NM_001013780 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCCAACCTCAGGCACAGATGGCTCCTGCCATGGATTCGAGGGAGATGGTGTCCCGGCTGTGGACC
TGGTGCTGGGTGCCTCAGCCTGCTGCCTGGCCTGTGTATTCACCAACCCCTGGAAGTGGTAAAGACCCG
TCTACAACCTGCAGGGGAACTGCAGGCCCCAGGCACCTACCCACGGCCCTACCGGGGCTTTGTGTCTTCT
GTTGCAGCCGTGGCCCGGCAGATGGGCTATGGGGCTGCAGAAGGGGCTGGCTGCTGGCCTTCTCTACC
AGGGCCTCATGAATGGTGTCCGTTTCTACTGCTATAGCCTGGCATGCCAGGCTGGCCTCACCAACAACC
AGGCGGCACTGTGGTCCGAGGCGCTGCGGCTGGGGCATTGGGGGCTTCGTGGGGAGTCCCTGCTTACCTG
GTCAAGACACAGCTGCAGGCTCAGACAGTGGCTACTATGGCCGTGGGGCATCAGCACCAGCATCAGGGTG
TCCTGAGTGCCCTGGAGACCATCTGGCGCAACAGGGCATGCTGGGGCTGTGGCGGGGTGTGGTGGGGC
TGTGCCCCGAGTCACAGTAGGTTTCAGCTGCCAGCTGGCCACCTTTACCTCTGCCAAGGCTTGGGTACAG
GATCGACAGTGGTTTTGGAGGACAGCTGGCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
TGGTTGCAGTCATGACACCCCTGGACGTCGTGAGCAGCGGCTGTACAATCAGCCAGTGGACAGAGCTGG
CAGGGGCCAGCTGATGGGGCCTCGCTGATTGCCTGGTGAAGACCTGTACAACAGGAGGGACCCCTGGCA
CTCTACAAAGGCTAGGCCCTGCCTATCTGCGCTTGGTCCCCACACCATCCTTAGCATGTTCTTCTGGG
ATGAGCTTCGAAACTGGTTGCGAGGGCCAGCACCAGGGCACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224667 representing NM_001013780
 Red=Cloning site Green=Tags(s)

MKPTQAQMAPAMDSREMVSPAVDLVLGASACCLACVFTNPLEVVKTRLQLQGELQAPGTYPRPYRGFVSS
 VAAVARADGLWGLQKGLAAGLLYQGLMNGVRFYCYSACQAGL TQPGGT VVAGAAAGALGAFVGS PAYL
 VKTQLQAQTVATMAVGHQHGHQGVLSALETIWRQQGMLGLWRGVGGAVPRVTVGSAQAQLATFTSAKAWVQ
 DRQWFLEDSWL VTLAGGMIS SIAVVAVMTPLDVVSTRLYNQPVDRAGRGLYGG LADCLVKTCQ QEGPLA
 LYKGLPAYLRLGPHTILSMFFWDELRLKLYVARAQHQGT

TRTRPLE - GFP Tag - V

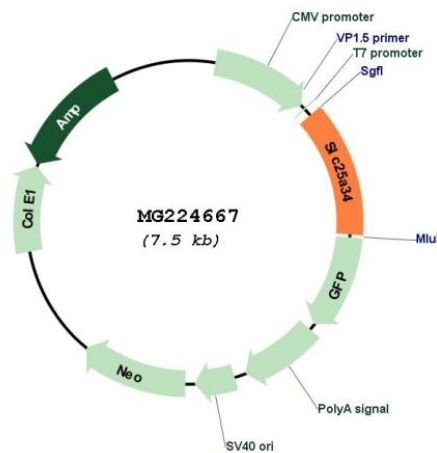
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001013780

ORF Size: 954 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:

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: [NM_001013780.1](#), [NP_001013802.1](#)

RefSeq Size: 2683 bp

RefSeq ORF: 957 bp

Locus ID: 384071

UniProt ID: [A2ADF7](#)

Cytogenetics: 4 D3