

## Product datasheet for MR224667

### Slc25a34 (NM\_001013780) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc25a34 (NM_001013780) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc25a34
Synonyms:	Gm1369
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224667 representing NM_001013780 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGCCAACACTCAGGCACAGATGGCTCCTGCCATGGATTCGAGGGAGATGGTGTCCCGGCTGTGGACC  
TGGTGTGGGTGCCTCAGCCTGCTGCCTGGCTGTGTATTCACCAACCCCTGGAAGTGGTAAAGACCCG  
TCTACAACCTGCAGGGGAACTGCAGGCCACAGGCACCTACCCACGGCCCTACCGGGCTTTGTGTCTTCT  
GTTGCAGCCGTGGCCCGGCAGATGGGCTATGGGGCTGCAGAAGGGCTGGCTGCTGCCCTTCTCTACC  
AGGGCCTCATGAATGGTGTCCGTTTCTACTGCTATAGCCTGGCATGCCAGGCTGGCTCACCCAACAACC  
AGGCGGCACTGTGGTCCGAGGCGCTGCGGCTGGGGCATTGGGGGCTTCGTGGGGAGTCCCTGCTTACCTG  
GTCAAGACACAGCTGCAGGCTCAGACAGTGGCTACTATGGCCGTGGGGCATCAGCACCAGCATCAGGGTG  
TCCTGAGTGCCCTGGAGACCATCTGGCGCCAACAGGGCATGCTGGGGCTGTGGCGGGGTGTGGTGGGGC  
TGTGCCCCGAGTCACAGTAGGTTTCAGCTGCCAGCTGGCCACCTTTACCTCTGCCAAGGCTTGGGTACAG  
GATCGACAGTGGTTTTGGAGGACAGCTGGCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG  
CAGGGGCCAGCTGATGGGGCCTCGCTGATTGCCTGGTGAAGACCTGTACAACAGGAGGGACCCCTGGCA  
CTCTCAAAGGCCTAGGCCCTGCCTATCTGCGCTTGGGTCCCCACACCATCCTTAGCATGTTCTTCTGGG  
ATGAGCTTCGAAACTGGTTGCGAGGGCCAGCACCAGGGCACC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR224667 representing NM\_001013780  
Red=Cloning site Green=Tags(s)

MKPTQAQMAPAMDSREMVSPAVDLVLGASACCLACVFTNPLEVVKTRLQLQGELQAPGTYPRPYRGFVSS  
 VAAVARADGLWGLQKGLAAGLLYQGLMNGVRFYCYSACQAGL TQQPGGTVVAGAAAGALGAFVGSAYL  
 VKTQLQAQTVATMAVGHQHQHQGVLSALETIWRQQGMLGLWRGVGGAVPRVTVGSAAQLATFTSAKAWVQ  
 DRQWFLEDSWL VTLAGGMI SSI AVVAVMTPLDVVSTRL YNQPVDRAGRQQLYGGADCLVKTCQQEGPLA  
 LYKGLGPAYLRLGPHTILSMFFWDELRLKVARAQHQGT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1800\\_e01.zip](https://cdn.origene.com/chromatograms/ja1800_e01.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**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](mailto: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

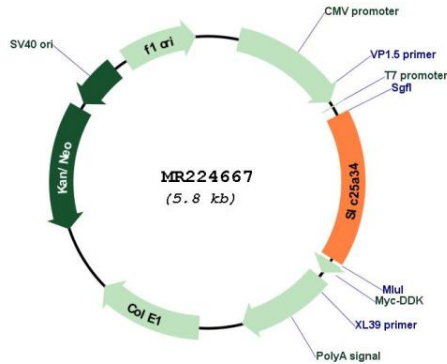
**Locus ID:** 384071

**UniProt ID:** [A2ADF7](#)

**Cytogenetics:** 4 D3

**MW:** 34.2 kDa

**Product images:**



Circular map for MR224667