

Product datasheet for **MG206612**

Slc25a46 (NM_026165) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc25a46 (NM_026165) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slc25a46
Synonyms:	1200007B05Rik; AI325987
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206612 representing NM_026165 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCATCCGCGGCCCTGAGGGCTTCGATGGCCTGGGCTACCGGGAGGCGTTCGGGATGATCCGGCTT
TCGGCGGCCCTTCCATGCGCGCTCCTTCGGTTCAGGGACGGAAGTGGCCACTGGGTGACGACGCCCC
GGACATCCCGGCGAGCCCAACCTGCACTGGGGCAGAGAAGAGCCCTTCTACGGCGTCCGTCGCGCCC
CCGACGCTCGAGGGTCCGCGGAGGAGCCCTTCCGCGCGCAGCGAGGGCCCGCGCCGGGACCGAGCA
GCGAACAGTTGAATAGATTTGCTGGATTTGGTATTGGACTTGCAAGTCTTTACAGAAAATGTGCTGGC
CCATCCTTGCAATGTTTTACGCCCAATGTCAGGTCAATTACCATGCTCGGCATTACCATCTCACTCCA
TTTTCAATTATCAACATTATGTATAGCTTCAACAAAACCTCAGGGACCAAGAGCCCTATGGAAGGGATGG
GAAGCACATTTATTGTTTCAGGGAGTCACTTGGAGCAGAAGGCATAATAAGTGAATTTACACCTTTACC
GAGGGAGGTTTACACAAATGAACCCTAAACAAATAGGTGAACACCTTCTCCTGAAATGCCTAACATAC
ATGGTGGCCATGCCTTTTTATTCTGCAAGTCTGATCGAAACAGTACAGAGTGAGATAATCCGAGATAACA
CTGGCATTCTGGAATGTGTTAAGAAGGAATTGGACGAGTGATAGGCTTGGGAGTGCCTCACAGCAAACG
CCTTCTCCACTGTTTTATTGATCTTCCCAACAGTGTGCATGGAGTTCTTATTACATTATCAGCTCC
ATCATTAGAAGATTGCTCTTCTAATTCGAAGAGAAAGACCTATAACAGCCACCTAGCTGAGAGCACTA
GTCCCATGCAGAATATGTTGGATGCCTATTTCCAGAACTTATTGCGAACTTTGCTGCCAGCCTTTGCTC
TGACGTTATACTTTACCCACTGGAACAGTTCTGCATCGTCTTCAATTCAAGGAACACGCACAATTATT
GACAACACAGACCTTGGCTACGAAGTACTTCCAATTAATACGCAGTATGAGGGAATGAGAGACTGTATAA
ATACCATAAAGCAGGAGGAAGGAGTGTGGTTTCTATAAAGGGTTTGGTGTGTATAATACAGTATAC
ATTGCATGCAACCATCTTACAGATTACCAAAATGATTTACTCCCACTTCTTCAAGATAGCATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online >](#)

Protein Sequence: >MG206612 representing NM_026165
Red=Cloning site Green=Tags(s)

MHPRRPEGFDGLGYRGGVRRDDPAFGGPFHARFSGSGETLGHVWVTPPDIPGSRNLHWGEKSPSYGVPSAP
 PTLEGSAAEPPGGSEGPRPGPSSQLNRFAGFGIGLASLFTENVLAHPCIVLRRQCQVNYHARHYHLTP
 FSIINIMYSFNKTQGPRALWKGMGSTFIVQGVTLGAEGIISEFTPLPREVSHKLNPKQIGEHLLKCLTY
 MVAMPFYASLIETVQSEIIRDNTGILECVKEGIGRVIIGLVPHSKRLLPLFSLIFPTVLHGVLHYIISS
 IIQKIVLLILKRKTYNSHLAESTSPMQNMLDAYFPELIANFAASLCSVDILYPLETVLHRLHIQGTRTII
 DNTDLGYEVLPIINTQYEGMRDCINTIKQEEGVGFYKGFHAVIIQYTLHATILQITKMIYSTLLQNSI

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja3346_g06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_026165

ORF Size: 1254 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_026165.2](#), [NP_080441.1](#)

RefSeq Size: 4371 bp

RefSeq ORF: 1257 bp

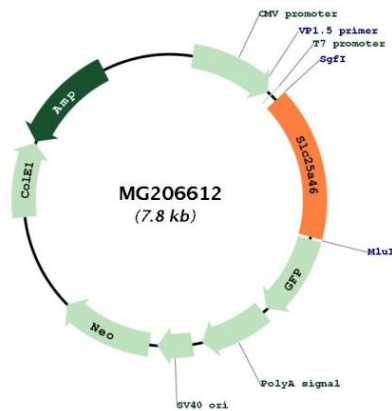
Locus ID: 67453

UniProt ID: [Q9CQ54](#)

Cytogenetics: 18 B1

Gene Summary: May play a role in mitochondrial dynamics by controlling mitochondrial membrane fission. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG206612