

Product datasheet for **MG216597**

Slc25a16 (NM_175194) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Slc25a16
Synonyms:	3110021G18Rik; GDA; GDC; HGT.1; ML7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG216597 representing NM_175194
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGCCCTGGTGGCTGCGGCGGCCCTGGCGGCGCCGAGCCTGCACCCGCGGTGCCGAGGCGGCTG
GGAGCGGGGGCCCCGACCTCACGCCGAGACTTCTACTGGCTGCGTTCCTTCTTGGCCGGAGGTATTGCTGG
ATGCTGTGCCAAAACCACAGTTGCCCCCTGGACCGAGTGAAAGTTTTATTACAAGCTCACAAACCGTCAT
TACAAACATTTAGGGTACTTCCACACTGCGTGCTGTCCCAAAGGAAGGCTATCTGGACTGTATA
AAGGAAACGGTGCAATGATGATTCGGATCTTCCCTACGGTGCAATCCAGTTTCATGGCCTTCGAGCATT
TAAAACGTTTCATTACTACAAAGCTGGGAGTTTCTGGTTCATGTGCACAGATTAATGGCTGGATCCATGGCA
GGCATGACAGCGTTATCTGCACTTACCCTCTCGATGTGGTCAGGGTGCGCCTGGCCTTCCAGGTGAAAG
GAGAGCACACCTATTCAGGGATCATCCATGCCTTCAAGACAATCTATGCCAAGGAAGTGGTTTCCTTGG
ATTCTACCGAGTCTGATGCCTACTATATTAGGAATGGCTCCATATGCAGGTGTCTCCTTTTTACCTTT
GGTACCTTGAAGAGTGTGGGCTTTCTATGCTCCTGCCTGCTTGGCCGACCTTCGTCCGACAACCCCA
ATGCTTAGTTTTGAAAACACATAAACCTCCTCTGTGGTGGTGTGCTGGAGCAATAGCACAGACGAT
ATCCTACCCATTTGATGTGACCCGACGGAGAATGCAGTTAGGGCAGTCTGCCGGAGTTTGAGAAGTGC
CTTACCATGCGGGAGACCATGAAGTACGTCTATGGACAGCATGGGATTGGAGAGGATTGTACCCGTGGCT
TATCTCTGAACTACATCCGCTGTATCCCCTCTCAAGCTGTGGCTTTCACAACGTATGAGCTGATGAAGCA
ATTTTTTCACCTTAAC

ACCGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG216597 representing NM_175194
 Red=Cloning site Green=Tags(s)

MAALVAAAALAAAPAPAVPQAAGSGGPTSRDFYWLRSFLAGGIAGCCAKTTVAPLDRVKVLLQAHNRH
 YKHLGVLSTLRAVPQKEGYLGLYKNGAMMIRIFPYGAIQFMAFEHYKTFITTKLGVSGHVHRLMAGSMA
 GMTAVICTYPLDVRVRLAFQVKEHTYSGLIHFHAKTIYAKEGGFLGFYRGLMPTILGMAPYAGVSFFTF
 GTLKSIVGLSYAPALLGRPSSDNPVNLVTKHINLLCGGVAGATAQTISYPFDVTRRRMQLGAVLPEFEK
 LTMRETMKYVYGQHGIRRLYRGLSLNYIRCIPSQAVAFTTYELMKQFFHLN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_175194

ORF Size: 996 bp

OTI Disclaimer: 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_175194.2](#), [NP_780403.1](#)

RefSeq Size: 3141 bp

RefSeq ORF: 999 bp

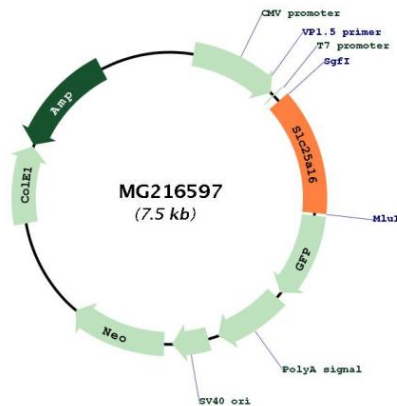
Locus ID: 73132

UniProt ID: [Q8C0K5](#)

Cytogenetics: 10 B4

Gene Summary: Required for the accumulation of coenzyme A in the mitochondrial matrix.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG216597