

Product datasheet for **MG216676**

Slc36a3 (NM_172258) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Slc36a3
Synonyms:	PAT3; TRAMD2; tramdorin2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >MG216676 representing NM_172258
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGGAATGTGCCGCTGCTTAGAGAAGTTGGCAAGTGTACGCGGAATATGTTCCGGTCGGTCTACAGCCT
 CCTCAAAGGCGAGCAGCAACAGCAGAAGCAGCAGCAGTACCTCCCAAGAAAGGGCCCTCGCAGGGAAGC
 TGATGCGCTAATGTTTATACAGATCTTTATCCACCTGTTGAAAAGCAACATTGGCACAGGCTTCCTGGGA
 CTGCCCTGGCTGTGAAAAATGCTGGATTGTTGGTGGGGCCTGTACGCCTCTTGCCATCGGGGCGCTCA
 CAGTGCCTGTATGGATATCCTGCTGAAGTGTGCCTGCCATCTCACTCAGAGACTGCAGAGGAGTTTTGT
 GAACTATGAAGAGACCACAATGTACAGCCTGGAACGTGTCCAAGTCTTGGCTGAGGACGCACTCAGTG
 TGGGGCAGGTACGTTGTGAGCTTCTGCTGATCGTCACTCAGCTGGGCTTCTGCAGCGTGTACTTCATGT
 TTCTGGCGGACAACCTACAACAGATCATGGAAGAAGCCCACTTCACTCCAACGTCTGCCAGCCGAGGCA
 GAGCCTGGTGATGACCTCCATCCTGGACTCGCTTCTATATGCTCACCATCCTGCCCTTCTCATCCTG
 CTGGTGTCTATCCAGAACCACAGGTGTTGTCCATCTTCTCACTTGGCCACCATCACCACCCTGAGCA
 GCCTGGCTCTGATCTTCGAGTATCTCATCCAGACCCACACACAGCAACCTGCCCTGGTTGAAAAGT
 GAAGACTTTCTGCTGTTCTTGGCACGGCTATCTTCACTTTGAAGGCGTGGGGATGGTTCTGCCTCTC
 AAAAGCCAGATGAAGAGCCCGCAGCAGTCCCCGCTGTGCTGTATCTGGGGATGCTTTTGTATCTTCC
 TCTACATCTGCCTGGGACTCTGGCTACATGAAGTTTGGGACAGACACTCAGGCCAGCATCACCCTCAA
 CTTGCCATTTGCTGGCTGTACCAGTCAGTCAAGCTGATGTACTCTGTGGGCATCTTCTTCACTATGCC
 CTCCAGTTCACGTCCCAGCTGAGATCATCGTCCCCTATGTCGTCTCAAGAGTGTCTGAGAAGTGGGCTC
 TGTTCTGACCTGACTGTCCGCACAGCCTGGTCTGCCTGACCTGTTTCTCAGCCGCTCTATCCCCCG
 CCTGGACCTGGTATCTCCCTGGTGGGCTCTGTGAGCAGTAGCCCTGGCCATCATCATCCCGCCGCTG
 CTGGAGATTGCCACATTTACTCTGAGAACATAAGCTGTGCCACCATTTGCAAGGACATCATGATCAGCA
 TCCTGGGCTCTTAGGGTGTACTTGGGACATACCAAGCCCTGTACGAGATGACCCAGCAGACCCACTT
 TTACATGGCCAACCTACAAGGTCCACATA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216676 representing NM_172258
 Red=Cloning site Green=Tags(s)

MGNVPLLREVGKQQRNMFGRSTASSKSSNSRSSSSTSPKKGPRREADALMFIQIFIHLLKSNIGTFLG
 LPLAVKNAGLLVGPVSLAIGALTVHCMDILLNCACHLTQRLQRSFVNYEETMYSLETCPSPWLRTHSV
 WGRYVVSFLLIVTQLGFCSVYFMFLADNLQQIMEEAHFTSNVCQPRQSLVMTSILDTRFYMLTILPFLIL
 LVLIQNPQVLSIFSTLATITLSSLALIFEYLIQTPHHSNLPVANWKTFLFFGTAIFTFEGVGMVPL
 KSQMKSPQQFPAVLYLGMFSVIFLYICLGLGYMKFGTDTQASITLNLPICWLYQSVKLMYSVGIFFTYA
 LQFHVPAEIIIVPYVVSRSVENWALFVDLTVRTALVCLTCFSAVLIPLDLVISLVGSVSSALAIIPPL
 LEIATFYSENISCATIVKDIMISILGLLGCVLGTQYQALYEMTQQTHFYMANSTRVHI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_172258

ORF Size: 1431 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:

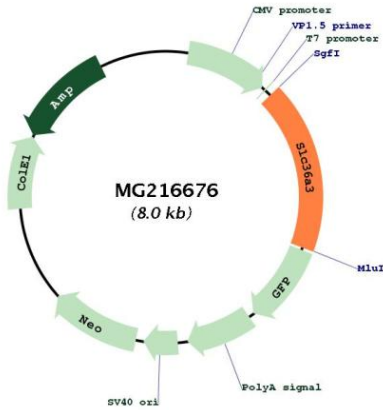
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_172258.4](#)

RefSeq Size: 1758 bp
 RefSeq ORF: 1434 bp
 Locus ID: 215332
 UniProt ID: [Q8IIP0](#)
 Cytogenetics: 11 B1.3

Product images:



Circular map for MG216676