

Product datasheet for **MG205817**

Slc35f2 (BC055843) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Slc35f2
Synonyms:	1500009K05Rik; AU019213
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG205817 representing BC055843
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGCTGAGTCGCCGGCGAGTGCGGGGCCAGCGAGCCCCGGGCGCTGGGTACGGTGGACAGTATCG
GCAGCCAGCTGAGCAGGATCCGACGCAAACTCTCACCTGGGATATTTGAAGACCATAGCTCTGGGCCA
GATGCTGTCTTTGTGATTTGCGGCACGGCCATCACCAGCCAGTATTTGGCAGAAAAGTACAGAGTGAAC
ACGCCCATGCTGCAGAGTTTCATCACTACTGCTTCTCTCTGGTTTACACGGTGTGCTGGCGTTTC
AGTCAGGCAGTGATAACCTCCTGGAGATTTTGAGAAGAAAATGGTGGAAGTATACTCTCTTGGGGCTTGC
CGATGTGGAAGCCAATTATCTGATTGTGAGAGCATACAGTACACGACTCTGACCAGTGTCCAGCTCTTG
GATTGCTTTGGGATTCTGTGTTGATGGCTCTCTCTCTGGTTTATTCTCCGGGCAAGATACAAAGTATCC
ACTTCATTGCTGTGTTTGTCTGTCTGCTGGGTGTAGGGACCATGGTTGGTGCAGACATATTAGCTGGGCG
AGAAGATAATTCAGGGAGTGATGTTCTTATTGGTGACATCTTAGTCCTGCTTGGGGCTTCCCTTTATGCT
GTGTCTAACGTGTGTGAAGAATACATCGTGAAGAAGCTGAGCAGACAGGAATTTTAGGAATGGTGGGAC
TATTTGGAACAATCATCAGCGGCATACAGCTATTGATTGTGGAATATAAGACATTGCCCGGATTCAGTG
GGACTGGAAAATTGCCCTGTTATTTGTGGCATTGGCCCTCTGTATGTTTGGCTGTACAGCTTCATGCCA
TTGGTGATTAAAGTCACGAGTGCCACTTCAGTCAACCTGGGCATCCTGACAGCTGACCTCTACAGCCTTT
TCTTTGGGCTTTTTTATTTCGAGTATAAGTTCTCAGGACTCTACATCCTGTCTGTTACAGTCATCATGGT
TGGCTTCATCTGTACTGTTCCACCCCAACGCGCACGGTAGAGCCCCAGAAAGCAGCGTGCCCCCTGTT
ACCAGCATCGGGATCGACAATTGGGACTGAAGCTTGAGGAGCGGTCTCCCGAGACCCACTCTGCAG
TCTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA



Protein Sequence: >MG205817 representing BC055843
Red=Cloning site Green=Tags(s)

MEAESPASAGASEPRALGTVDISGSQLSRIRRLFTWDILKTIALGQMLSLCICGTAITSQYLAEKYRVN
TPMLQSFINYCLLFLVYTVMLAFQSGSDNLLLEILRRKWWKYTLGLADVEANYLIVRAYQYTTLTQVQLL
DCFGIPVLMALSWFILRARYKVIHFIAVFVCLLVGTVMVGADILAGREDNSGSDVLIGDILVLLGASLYA
VSNVCEEYIVKKLSRQEFLLGMVGLFGTIIISGIQLLIVEYKDIARIQWDWKIALLFVAFALCMFCLYSFMP
LVIKVTSATSVNLGILTADLYSLFFGLFLFEYKFSGLYILSFTVIMVGFILYCSTPTRTVEPPESVPPV
TSIGIDNLGLKLEESGLPETHSAVL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC055843

ORF Size: 1125 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: [BC055843](#), [AAH55843](#)

RefSeq Size: 2596 bp

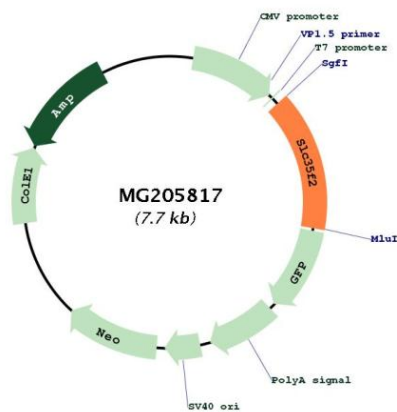
RefSeq ORF: 1127 bp

Locus ID: 72022

Cytogenetics: 9 A5.3

Gene Summary: Putative solute transporter.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG205817