

Product datasheet for **MC217402**

Slc18a1 (NM_153054) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc18a1 (NM_153054) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc18a1
Synonyms:	4832416I10Rik; Vat1; Vmat1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217402 representing NM_153054
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTCCAGGTTGTTCTGGGTGCTCCTCAGCGACTGCTGAAGGAAGGAGGCAGTCCCGGAAGCTGGTGT
 TGGTGGTGGTGTGGTGGCTCTACTCCTGGACAATATGCTGCTCACTGTGGTGGTGGCCATTGTGCCAC
 CTTCTGTATGCGACAGAGTTCAAAGACATCAACTCTTCTCTGCTTAGGGGTCTTCTGTAAGCTCCAG
 CAAGCTCTCACCTCTCCTGCCTTCTCTACCACCTTCTCCTTCTTTGACAACACCACCATGACTGTAGAAG
 AACATGTACCTTTTCGTGTAGCATGGATAAATGGTACCATCCCTCCTCCAGTCACCGAAGCTGGCTCAGT
 ACCTAAAAACAACCTGCTTGAAGGGATAGAGTTCTTGAAGAAGAAAATGTCCGGATTGGGATTCTATTT
 GCTTCAAAGGCTTTGATGCAACTTCTGGTTAACCCATTTGTAGGACCTTCTACTAACAGGATTGGCTATC
 ACATCCCCATGTTTGTGGCTTTATGATCATGTTCTCTCCACACTAATGTTTGTCTTCTGGCACCTA
 TGCCCTGCTGTTTGTGGCCGAACCTCTCAAGGCATTGGATCTTCATTTTCATCTGTTGCAGGGCTGGG
 ATGCTGGCCAGTGTCTATACGGATAACTACGAGAGAGGAAGAGCCATGGGAATTGCTTTGGGGGGCCTGG
 CTTTGGGACTTCTGGTGGGAGCACCTTTTGAAGTGTGATGTATGAATTTGTGGGCAAGTCTCACCATT
 CCTCATCTTGGCCTTCTGGCACTTCTGGATGGAGCTCTCCAGTTTTGCATCCTATGGCCTTCGAAAGTG
 TCTCCTGAGAGTGCCATGGGGACTCCACTTTTGACACTTCTCAAAGATCCTTACATTCTGGTAGCAGCAG
 GTTCCATCTGCCTGGCCAACATGGGAGTCGCCATATTAGAGCCCACGCTACCCATCTGGATGATGCAGAC
 CATGTGTTCCCGGAGTGGCAGCTAGGTCTGGCTTTTTACCTGCCAGTGTGGCTACCTCATTGGCAGC
 AACCTTTTTGGTGTGTTGGCCAACAAGATGGGTGGTGGCTGTGCTCCCTGTTGGAATGGTAGCTGTAG
 GTATCAGCTTGTCTGTGTACCTCTGGCTCACAATATTTTTGGTCTTATTGGACCAATGCAGCCCTTGG
 CTTTGCCATAGGCATGGTGGATTCTCTCTGTATGCCCATCATGGGATACCTGGTGGACTTACGCCATACC
 TCTGTGTATGGGAGTGTCTATGCCATCGCTGATGTGGCTTTTTGTGTGGGCTTTGCTATTGGCCCATCTA
 CCGGGGTGTTATTGTACCGGTATCGGCTTCCCTTGGCTCATGGTATCATTGGAACATCAACATCAT
 CTATGCCCTCTCTGCTGCTTCTGCAGAACCCACCAGCTAAGGAGGAGGAGCTTGAATTCTGAACCAG
 GAATGCCCCACAGAGACCCAGATGTACACAATCCAGAGGCCACGAAGGAGTTTCCACTGGGAGAGAACA
 GCGATGATCTGGCAGTGAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_153054

Insert Size: 1566 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_153054.2](#), [NP_694694.1](#)

RefSeq Size: 3118 bp

RefSeq ORF: 1566 bp

Locus ID: 110877

UniProt ID: [Q8R090](#)

Cytogenetics: 8 33.88 cM

Gene Summary: Involved in the transport of biogenic monoamines, such as serotonin, from the cytoplasm into the secretory vesicles of neuroendocrine and endocrine cells.[UniProtKB/Swiss-Prot Function]