

Product datasheet for **MC217354**

Slc18a2 (NM_172523) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc18a2 (NM_172523) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc18a2
Synonyms:	1110037L13Rik; 9330105E13; Vmat2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC217354 representing NM_172523
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCCTGAGCGATCTGGTGTCTGCGATGGCTGCGGGACAGCCGCACTCGCGCAAGCTGATCCTGT
TCATCGTGTTCCTCGCGCTGCTGCTAGACAACATGCTGCTCACCGTCGTAGTTCCCATCATTCCCAGCTA
CCTGTACAGCATTAAAGCACGAGAAAAATACTACGGAAATCCAGACTGCCAGGCCAGCGCTCACAGCCTCC
ACTTCCGAAAGCTTCCACAGCATCTTCTTACTATAACAACCTACTGTGTTACGCGGGAAATGCCACGG
GGGGCCTCCCAGGAGGGGAGTACCCCAAGGCTACCACCACACAGCACACTGTGACCAACAGACTGTCCC
TCCCGACTGCCCCAGTGAAGACAAAGACCTTCTAAATGAGAATGTGCAAGTTGGGCTGCTGTTTGCCTCC
AAAGCCACTGTCCAGCTCCTACCAACCCATTCATAGGACTTCTAACCAACAGAATTGGCTATCCAATTC
CCATGTTTGTGGATTCTGCATTATGTTTATCTCAACAGTTATGTTTGCCTTCTCCAGCAGCTATGCCTT
CCTGCTGATCGCCAGGTCCTGCAGGGAATCGGCTCCTTTGCTCATCTGTGGCTGGGATGGGCATGCTG
GCCAGCGTGTACACAGATGATGAAGAGAGGGGTAAACGCCATGGGGATTGCTCTGGGGGCCCTGGCCATGG
GGTCTTAGTGGGACCCCTTTGGAAGTGTGCTCTATGAGTTTGTGGGGAAGACAGCTCCTTTCTCGGT
GCTTGCTGCCTTGGTGTCTTGGATGGAGCTATTCAGCTCTTTGTGCTCCAGCCATCCCAGTGCAGCCA
GAAAGTCAGAAGGGGACACCTCTTACGACCTTGTGAAGGACCCATACATTCTCATCGTGCAGGCTCCA
TCTGCTTTGCAAACATGGGGATAGCCATGCTGGAGCCCGCCCTGCCCATCTGGATGATGGAGACCATGTG
TTCGCGAAAGTGGCAGCTGGGCGTTGCCTTCTGCCAGCGAGCATCTCTTATCTCATTGGAACCAATATT
TTTGGGATACTTGACACAAAAATGGGAAGTGGCTGTGTGCTCTTCTGGGAATGATAGTTGTTGGGATCA
GCATTTTATGTATTCCTTTTGCAAAAAATATCTACGGACTCATCGCTCCCACTTTGGAGTTGGTTTTGC
CATTGGGATGGTGGACTCCTCCATGATGCCTATCATGGGCTACCTGGTGGACTGCGGCACGTGTCTGTC
TATGGGAGTGTGTATGCCATTGCAGATGTAGCCTTCTGCATGGGGTATGCTATCGGTCCCTCTGCTGGT
GTGCTATTGCAAAGGCAATTGGCTTTCCTTGGCTCATGACAATTATTGGGATAATTGATATTGTTTTTGC
TCCACTCTGCTTTTTTCTCGAAGTCCACCTGCTAAGGAAGAAAAATGGCTATCCTCATGGACCACAAC
TGCCCCATTAAGACAAAGATGTACACTCAGAATAATGTCCAGCCGTAACCCGTCGGTGATGATGAAGAA
CTGAGAGTGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3791_f08.zip

Restriction Sites: SgfI-MluI

ACCN: NM_172523

Insert Size: 1554 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_172523.3](#), [NP_766111.1](#)

RefSeq Size: 3803 bp

RefSeq ORF: 1554 bp

Locus ID: 214084

UniProt ID: [Q8BRU6](#)

Cytogenetics: 19 54.64 cM

Gene Summary: Involved in the ATP-dependent vesicular transport of biogenic amine neurotransmitters. Pumps cytosolic monoamines including dopamine, norepinephrine, serotonin, and histamine into synaptic vesicles. Requisite for vesicular amine storage prior to secretion via exocytosis (By similarity).[UniProtKB/Swiss-Prot Function]