

Product datasheet for **MR208352**

Slc18a1 (NM_153054) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR208352 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTCCAGGTTGTTCTGGGTGCTCCTCAGCGACTGCTGAAGGAAGGAGGCAGTCCCGGAAGCTGGTGT
 TGGTCGTGGTGTGGTCTACTCCTGGACAATATGCTGCTCACTGTGGTGGTCCCATTGTGCCAC
 CTTCTGTATGCGACAGAGTTCAAAGACATCAACTCTTCTCTGCTTAGGGTCTTCTGTAAGCTCCAG
 CAAGCTCTCACCTCTCCTGCCTTCTCTACCACCTTCTCCTTTTTGACAACACCACCATGACTGTAGAAG
 AACATGTACCTTTTGTGTAGCATGGATAAATGGTACCATCCCTCCTCCAGTACCGAAGCTGGCTCAGT
 ACCTAAAAACAACCTGCTTGAAGGGATAGAGTTCTTGAAGAAGAAAATGTCGGATTGGGATTCTATTT
 GCTTCAAAGGCTTTGATGCAACTTCTGGTTAACCCATTTGTAGGACCTTACTAACAGGATTGGCTATC
 ACATCCCCATGTTTGTGGCTTTATGATCATGTTTCTCTCCACACTAATGTTTGTCTTCTGGCACCTA
 TGCCCTGTGTTTGTGGCCGAACCTCCAAGGCATTGGATCTTCATTTTCATCTGTTGCAGGGCTGGG
 ATGCTGGCCAGTGTCTATACGGATAACTACGAGAGAGGAAGGCCATGGGAATTCGTTTGGGGGGCCTGG
 CTTTGGGACTTCTGGTGGGAGCACCTTTTGAAGTGTGATGTATGAATTTGTGGGCAAGTCTCACCATT
 CCTCATCTTGGCCTTCTGGCACTTCTGGATGGAGCTCTCCAGTTTTGCATCCTATGGCCTTCGAAAGTG
 TCTCCTGAGAGTGCCATGGGGACTCCACTTTTGACACTTCTCAAAGATCCTTACATTTTGGTAGCAGCAG
 GTTCCATCTGCCTGGCCAACATGGGAGTCGCCATATTAGAGCCCACGCTACCCATCTGGATGATGCAGAC
 CATGTGTTCCCGGAGTGGCAGCTAGGTCTGGCTTTTTACCTGCCAGTGTGGCTACCTCATTGGCAGC
 AACCTTTTTGGTGTGTTGGCCAACAAGATGGGTGGTGGCTGTGCTCCCTGTTGGAATGGTAGCTGTAG
 GTATCAGCTTGTCTGTGTACCTCTGGCTCACAAATATTTTTGGTCTTATTGGACCAATGCAGGCCTTGG
 CTTTGCCATAGGCATGGTGGATTCTCTCTGATGCCCATCATGGGATACCTGGTGGACTTACGCCATACC
 TCTGTGTATGGGAGTGTCTACGCCATCGCTGATGTGGCTTTTTGTGGGCTTGTCTATTGGCCATCTA
 CCGGGGTGTTATTGTACCGGTATCGGCTTCCCTGGCTCATGGTATCATTGGAACATCAACATCAT
 CTATGCCCTCTCTGCTCTCTGCAGAACCCACCAGCTAAGGAGGAGGAGCTTGAATCTGAACCAG
 GAATGCCCCACAGAGACCCAGATGTACACAATCCAGAGGCCACGAAGGAGTTTCCACTGGGAGAGAACA
 GCGATGATCCTGGCAGTGGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208352 protein sequence
 Red=Cloning site Green=Tags(s)

MFQVVLGAPQRLKKEGRQSRKLVLVVVFVALLLDNMLLTVVVPIVPTFLYATEFKDINSSLLRGPVSSQ
 QALTSFAFSTTFDFDNTTMTVEEHVPRVAVINGTIPPPVTEAGSVPKNNCLQIEFLEEENVRIGILF
 ASKALMQLLVNPFVGPLTNRIGYHIPMFVGMIMFLSTLMFAFSGTYALLFVARTLQIGSSFSVAGLG
 MLASVYTDNYERGRAMGIALGGLALGLLVGAPFGSVMYEFVKGSSPFLILAFLLDGLAQFCILWPSKV
 SPESAMGTPLLTLLKDPYILVAAGSICLANMGVAILEPTLPIWMMQTMCSPEWQLGLAFLPASVAYLIGT
 NLFGLVLANKMGRWLSLVGMVAVGISLLCVPLAHNIFGLIGPNAGLGFAIGMVDSLMPIMGYLVDLRHT
 SVYGSVYAIADVAFVGFVIGPSTGGVIVPVIGFPWLMVIIGTINIYAPLCCFLQNPPEEELAILNQ
 ECPTETQMYTIQRPTKEFPLGENSDDPGSEE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_153054

ORF Size: 1566 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.

RefSeq: [NM_153054.1](#)

RefSeq Size: 3118 bp

RefSeq ORF: 1566 bp

Locus ID: 110877

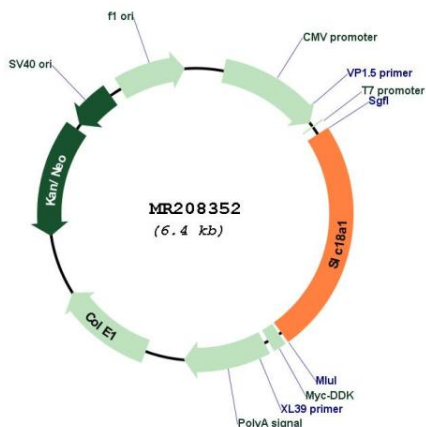
UniProt ID: [Q8R090](#)

Cytogenetics: 8 33.88 cM

MW: 56 kDa

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]

Product images:



Circular map for MR208352