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Product datasheet for MC217980

Slc18a2 (BC078449) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc18a2 (BC078449) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc18a2
Synonyms:	Vmat2, 9330105E13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

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Fully Sequenced ORF:

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>BC078449
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCCTGAGCGATCTGGTGCTGCTGCGATGGCTGCGGGACAGCCGCCACTCGCGCAAGCTGATCCTGT
TCATCGTGTTCCTCGCGCTGCTGCTAGACAACATGCTGCTCACCGTCGTAGTTCCCATCATTCCCAGCTA
CCTGTACAGCATTAAGCACGAGAAAAATACTACGGAAATCCAGACTGCCAGGCCAGCGCTCACAGCCTCC
ACTTCCGAAAGCTTCCACAGCATCTTCTCTTACTATAACAACTCTACTGTGTTCACGGGGAATGCCACGG
GGGGCCTCCCAGGAGGGGAGTCACCCAAGGCTACCACCACACAGCACACTGTGACCAACACGACTGTCCC
TCCCGACTGCCCCAGTGAAGACAAAGACCTTCTAAATGAGAATGTGCAAGTTGGGCTGCTGTTTGCCTCC
AAAGCCACTGTCCAGCTCCTCACCAACCCATTCATAGGACTTCTAACCAACAGAATTGGCTATCCAATTC
CCATGTTTGCTGGATTCTGCATTATGTTTATCTCAACAGTTATGTTTGCCTTCTCCAGCAGCTATGCCTT
CCTGCTGATCGCCAGGTCCCTGCAGGGAATCGGCTCCTCTTGCTCATCTGTGGCTGGGATGGGCATGCTG
GCCAGCGTGTACACAGATGATGAAGAGAGGGGTAACGCCATGGGGATTGCTCTGGGGGGCCTGGCCATGG
GGGTCTTAGTGGGACCCCCCTTTGGAAGTGTGCTCTATGAGTTTGTGGGGAAGACAGCTCCTTTCCTGGT
GCTTGCTGCCTTGGTGCTCTTGGATGGAGAGTCAGAAGGGGACACCTCTTACGACCTTGCTGAAGGACCC
ATACATTCTCATCGCTGCAGGCTCCATCTGCTTTGCAAACATGGGGATAGCCATGCTGGAGCCCGCCCTG
CCCATCTGGATGATGGAGACCATGTGTTCCCGAAAGTGGCAGCTGGGCGTTGCCTTCCTGCCAGCGAGCA
TCTCTTATCTCATTGGAACCAATATTTTTGGGATACTTGCACACAAAATGGGAAGGTGGCTGTGTGCTCT
TCTGGGAATGATAGTTGTTGGGATCAGCATTTTATGTATTCCTTTTGCAAAAAATATCTACGGACTCATC
GCTCCCAACTTTGGAGTTGGTTTTGCCATTGGGATGGTGGACTCCTCCATGATGCCTATCATGGGCTACC
TGGTGGACCTGCGGCACGTGTCTGTCTATGGGAGTGTGTATGCCATTGCAGATGTAGCCTTCTGCATGGG
GTATGCTATCGGTCCCTCTGCTGGTGGTGCTATTGCAAAGGCAATTGGCTTTCCTTGGCTCATGACAATT
ATTGGGATAATTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites: SgfI-MluI

ACCN: BC078449

Insert Size: 1344 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.

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RefSeq:	BC078449, AAH78449
RefSeq Size:	3702 bp
RefSeq ORF:	1343 bp
Locus ID:	214084
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]

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