

Product datasheet for **RN207252**

Slc18a2 (NM_013031) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc18a2 (NM_013031) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc18a2
Synonyms:	MNAT; VMAT-2; VMAT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN207252 representing NM_013031
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCCTGAGCGATCTGGTGTCTGCGATGGCTGCGGGACAGCCGCACTCGCGCAAACCTGATCCTGT
 TCATCGTGTTCCTTGCGCTGCTGCTGGACAACATGCTGCTCACCGTCGTGGTCCCATCATCCCCAGCTA
 TCTGTACAGCATTAAAGCATGAGAAAACTCTACGGAAATCCAGACCACCAGACCAGACTCGTGGTCTCC
 ACCTCCGAAAGCATCTTCTCTTACTATAACAACCTACTGTGTTGATCACCGGGAATGCCACTGGGACTC
 TTCCAGGAGGGCAGTCACACAAGGCTACCAGCACACAGCACACTGTGGCTAACACCCTGTCCCTTCGGA
 CTGTCCCAGTGAAGACAGAGACCTTCTGAATGAGAATGTGCAAGTTGGGTGCTGTTTGCCTCCAAAGCC
 ACTGTCCAGCTCCTCACTAACCCATTATAGGACTTCTGACCAACAGAATTGGCTATCCAATTCCCATGT
 TTGCCGGCTTCTGCATCATGTTTATCTCAACAGTTATGTTTGCCTTCTCCAGCAGCTATGCCTTCTGCT
 GATCGCCAGTCCCTTCAGGGAATTGGCTCCTCCTGCTCATCCGTGGCTGGGATGGGTATGCTGGCCAGC
 GTGTACACAGATGATGAGGAGAGGGGAAACCCATGGGCATTGCTTTGGGTGGCCTGGCCATGGGAGTCT
 TAGTGGGACCCCTTCGGGAGTGTGCTCTATGAGTTTGTGGGAAGACAGCTCCCTTCTGGTGTAGC
 TGCTTGGTGTCTTGGATGGGGCTATTAGCTCTTTGTGCTCCAGCCGTCGAGTACAGCCAGAGAGT
 CAGAAGGGGACACCTCTAACGACCTTGCTGAAGGATCCATACATCCTCATCGCTGAGGCTCCATCTGCT
 TTGCAAACATGGGGATAGCCATGCTGGAGCCGCCCTGCCATCTGGATGATGGAGACCATGTGTTCCCG
 AAAGTGGCAGCTGGGCGTTGCTTTCCTCCCGCGAGCATCTCTTATCTCATTGGAACCAATATTTTGGG
 ATACTTGACACAAAAATGGGAAGGTGGCTATGTGCTCTTCTGGGAATGGTAATTGTTGGAATCAGCATT
 TATGCATCCCTTTGCAAAAAATCTATGGACTCATCGCTCCCAACTTTGGAGTTGGTTTGCATTGG
 GATGGTGGACTCCTCTATGATGCCTATCATGGGCTACCTGGTTGACCTGCGGCATGTGTCTGTCTATGGG
 AGTGTATGATGCCATTGCAGAGCTGGCCTTTTGTATGGGCTATGCTATCGGTCCCTCTGCTGGTGGTGCCA
 TCGCAAAGGCAATTGGCTTTCCTTGGCTTATGACAATTATTGGGATAATTGATATCGCTTTTGTCCACT
 CTGCTTTTTCCTTCGAAGTCCACCTGCTAAGGAGGAAAAAATGGCTATCCTCATGGACCACAACCTGTCCC
 ATTAACAAGATGTACACTCAGAATAATGTCCAGTCATATCCCATCGGTGATGATGAAGAACTCTGAAA
 GTGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_013031

Insert Size: 1548 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_013031.1](#), [NP_037163.1](#)

RefSeq Size: 2908 bp

RefSeq ORF: 1548 bp

Locus ID: 25549

UniProt ID: [Q01827](#)

Cytogenetics: 1q55

Gene Summary: transports N-methyl-4-phenylpyridinium (MPP+), a neurotoxin metabolite associated with Parkinson's disease [RGD, Feb 2006]