

Product datasheet for **RN213290**

Slc18a1 (NM_013152) Rat Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Slc18a1 (NM_013152) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Slc18a1 |
| Synonyms: | CGAT; VMAT-1 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >RN213290 representing NM_013152
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTCCAGGTTGTTCTGGGTGCTCCTCAGCGTTGCTGAAGGAAGGAAGGCAGTCCCGCAAGCTGGTGC
 TGGTGGTGGTGTTCGTGGCTCTGCTTCTGGACAACATGCTGCTCACTGTGGTGGTGGCCATTGTGCCAC
 CTTCTGTACGCGACAGAGTTCAAAGACAGCAACTCTTCTCTGCATAGGGGTCTTCTGTAACTCCAG
 CAAGCTCTCACCTCTCCTGCCTTCTCTACCATATTCTCCTTCTTTGACAACACCACCACAACCTGTAGAAG
 AACATGTACCCTTCCGTGTAACCTGGACAAATGGCACCATCCCTCCTCCAGTCACTGAAGCCACCTCAGT
 ACCAAAAACAACCTGCTTGAAGGGATAGAGTTCTTAGAAGAAGAAAACGTTCCGATTGGGATTCTATTT
 GCTTCAAAGCTTTGATGCAACTTCTGGTCAACCCATTTGTAGGACCTTACTAACAGGATTGGCTATC
 ACATCCCCATGTTTGTGGCTTTATGATCATGTTTCTCTCCACACTAATGTTTGTCTTCTGGCACCTA
 TGCCCTGTATTTGTGGCCGAACCTCTCAAGGCATTGGATCTTGGTTTTCATCTGTTGCAGGACTTGGG
 ATGCTGGCCAGTGTCTATACTGACAACATGAGAGAGGGAGAGCCATGGGAATTCGTTTGGGGGGCCTGG
 CTTTGGGACTTCTGGTGGGAGCACCTTTCGGAAGTGTGATGTATGAATTTGTGGGCAAGTCTCACCAT
 CCTCATCTTGGCCTTCTTGGCACTTCTGGATGGAGCTCTCCAACCTTTCATCCTGTGGCCTTCGAAAGTG
 TCTCCTGAGAGTGCCATGGGGACTCCGCTTTTGACGCTTCTCAAAGACCCTTACATCCTGGTAGCAGCAG
 GTTCCATCTGCTTGGCCAACATGGGTGTCGCCATACTAGAGCCCACGCTGCCATCTGGATGATGCAGAC
 CATGTGCTCCCCGAGTGGCAGCTAGGTCTGGCTTTCTTGCTGCTAGTGTGGCTACCTCATTGGCAGC
 AACCTCTTGGTGTGTTGGCTAAACAAGATGGGTGGTGGCTGTGCTCCCTTGTGGGATGGTGGCAGTAG
 GTATCAGCTTGTCTGTACCTCTGGCTCACAATATTTTGGTCTTATTGGCCCAATGCAGGCTTGG
 CTTTGCCATAGGAATGGTGGATTCTCTCTGATGCCATCATGGGATACCTGGTGGACTTACGCCACACC
 TCTGTGTATGGGAGTGTCTATGCCATCGCCGATGTGGCCTTTTGTGGGCTTTGCTATTGGCCATCTA
 CTGGGGGTGTTATCGTACAGGTATTGGCTTCTTGGCTCATGGTTCATCATTGGTACCATCAACATCAT
 TTATGCTCCTCTGCTGCTTCTGCAGAACCCGCCAGCTAAGGAGGAGAAGCGTGAATTTCTGAGCCAG
 GAATGCCCCACAGAGACCCAGATGTACACAGTCCAGAAGCCACAAGGAGTTTCCACTAGGAGAGAACA
 GCGATGATCTAGCAGCGGGAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_013152

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_013152.2](#), [NP_037284.2](#)

RefSeq Size: 2357 bp

RefSeq ORF: 1566 bp

Locus ID: 25693

UniProt ID: [Q01818](#)

Cytogenetics: 16p14

Gene Summary: transports biogenic amines; may play a role in neuroendocrine vesicular transport [RGD, Feb 2006]