

Product datasheet for **RN203430**

Slc17a6 (NM_053427) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc17a6 (NM_053427) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc17a6
Synonyms:	Dnpi; Vglut2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN203430 representing NM_053427
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGTCGGTAAAACAAGGATTTTGGCCCCGGGAAAGAGGGGATAAAGAATTTTCTGGAAAATCCC
 TCGGACAGATCTACAGGGTGCTGGAGAAGAAGCAGGATAACCGAGAGACCATCGAGCTGACAGAGGACGG
 CAAGCCCTGGAGGTGCCTGAGAAGAAGGCTCCGCTATGCGACTGTACGTGCTTCGCGCTGCCGCCCGC
 TACATCATAGCCATCATGAGCGGCTCGGCTTCTGCATCTCCTTTGGTATCCGCTGTAACCTGGGTGTGG
 CCATTGTGGACATGGTCAACAACAGCACCATCCACGGGGTGGCAAAGTTATCAAGGAGAAAAGCCAAAGTT
 TAACTGGGACCCGAGACTGTGGGGATGATCACGGGTCGTTCTTCTGGGGCTATATCATCACGCAGATT
 CCGGGCGGATACATCGCATCGGACTGGCTGCTAACGGGTCCTTGGGGCTGCCATACTGCTTACCTCTA
 CCCTCAATATGCTGATCCCATCTGCAGCCAGAGTGCATTATGGATGCGTCATCTTTGTTAGAATATTGCA
 AGGACTTGTGGAGGGCGTCACCTACCCAGCCTGTCACGGGATATGGAGCAAGTGGGCCCTCCTTTGGAG
 AGGAGTAGGTTGGCTACCACCTCCTTCTGTGGTTCCTATGCTGGAGCAGTCATTGCAATGCCCTAGCTG
 GTATCCTGGTGCAGTACACTGGATGGTCTTCAGTATTTTACGTATATGGAAGCTTTGGTATGGTCTGGTA
 TATGTTCTGGCTTCTGGTGTCTTACGAGAGCCCCGAAAGCATCCAACATAACAGACGAAGAACGTAGG
 TACATAGAAGAGAGCATCGGGGAGAGCGCAAATCTGTTAGGAGCAATGGAGAAAATCAAGACCCCATGGA
 GGAAGTTTTTACATCCATGCCCGTCTATGCGATAATTGTTGCAAACCTTCTGCAGGAGTTGGACTTTTTA
 TTTACTGCTCATCAGTCAACCAGCTTATTTGAGGAGGTTTTTGGATTTGAAATCAGCAAGGTTGGCATG
 TTGCTCGGGTCCCACACCTGGTCATGACAATCATTGTGCCTATCGGGGGCAAATTCAGACTTTCTAA
 GGAGCAAGCAAATCTTTCAACAACACAGTGCAGAAAGATCATGAACTCGGGGGTTTTTGGCATGGAAGC
 CACACTGCTTCTGGTTGTTGGTACTCTCATACTAGAGGGTGGCCATCTCCTTCTTGGTCTTGCAGTG
 GGATTCAGTGGATTTGCTATCTCTGTTTCAATGTGAACCACTTGGATATTGCCCGAGATATGCCAGTA
 TCTTAATGGGCATTTCAAATGGTGTGGCACGCTGTCGGGAATGGTCTGCCCGATCATTGTTGGTGAAT
 GACGAAGAACAAGTCCCGTGAAGAATGGCAGTATGCTTCTCATCGTGCAGTGGTCCACTATGGTGG
 GTCATATTTTATGCACTATTTGCCTCAGGAGAGAAGCAACCTTGGGCAGACCCTGAGGAAAACAAGCGAAG
 AAAAGTGTGGCTTCATTCATGAAGATGAACTGGATGAAGAAACGGGGACATCACTCAGAATTACATAAA
 TTACGGTACCACCAAATCCTACGGCGCCACCTCACAGGAGAACGGAGGCTGGCCTAACGGCTGGGAGAAA
 AAGGAAGAATTTGTGCAAGAAAGTGCAGAACGCGTACTCCTATAAGGACCGAGATGATTATTCAT**AA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_053427

Insert Size: 1749 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_053427.1](#), [NP_445879.1](#)

RefSeq Size: 3982 bp

RefSeq ORF: 1749 bp

Locus ID: 84487

UniProt ID: [Q9JL12](#)

Cytogenetics: 1q22

Gene Summary: Na⁺-dependent inorganic phosphate cotransporter; involved in Ca²⁺-dependent glutamate release from astrocytes [RGD, Feb 2006]