

Product datasheet for **RN207321**

Slc17a7 (NM_053859) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc17a7 (NM_053859) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc17a7
Synonyms:	BNPI; Vglut1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN207321 representing NM_053859
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGTTCGGCAGGAGGAGTTCGGAAGCTGGCGGGGCGCCCTGGGGAGGCTGCACCGTTACTGG
 AGAAGCGGCAGGAAGGCGCGGAGACATTGGAGCTGAGCGCCGACGGGCGCCAGTGACCACACACGCG
 GGACCCGCGCGTGGTGGACTGCACCTTGGCTCCCTCGCCGCTACATCATCGGATCATGAGCGGT
 CTGGGTTTCTGCATCAGCTTTGGCATCCGCTGCAACCTGGGCGTGGCCATCGTATCCATGGTCAACAACA
 GTACAACCACCGTGGGGCCACGTGGTGGTGCAGAAAGCCAGTTCAACTGGGATCCAGAGACTGTCGG
 CCTCATACATGGCTCCTTTTCTGGGGTACATTGCACTCAGATTCTGGAGGATTTATCTGCCAAAA
 TTCGCAGCCAACAGGGTCTTTGGCTTTGCCATTGGCTACCTCCACCCTAAATATGTTGATCCCTTCAG
 CAGCCCGTGTCACTATGGCTGTGTCTTTCGTGAGGATCCTTCAGGGATTGGTGGAGGGGTCACATA
 CCCTGCTTGCCATGGCATCTGGAGCAAAATGGGCCCTCCCTTAGAACGGAGTCGGCTGGCGACGACGCC
 TTTTGGCGTTCTATGCCGGGCGAGTGGTTGCCATGCCTCTGGCTGGGGTCTGGTACAGTATTCAGGAT
 GGAGTTCTGTCTTCTATGTCTATGGCAGCTTCGGGATCTTTGGTACCTGTTCTGGTTGCTGTCTCCTA
 CGAGTCACCTGCACTACACCCAGCATCTCCGAGGAGGAGCGCAAATACATTGAGGATGCCATCGGAGAA
 AGCGCCAAGCTCATGAACCCTGTTACGAAGTTAACACACCCTGGAGGCGCTTCTTTACCTCCATGCCGG
 TCTATGCCATCATTGTGCCAACTTTTGGCGAGCTGGACTTTCTACCTGCTCCTCATCTCCAGCCCGC
 CTACTTTGAAGAAGTGTTCGGCTTTGAGATCAGCAAGTGGGACTGGTGTGGCACTGCCTCACCTTGTC
 ATGACTATCATCGTACCCATCGGAGGCCAGATCGCCGACTTCTGCGCAGTCGTCATATAATGTCCACGA
 CCAATGTGCGAAAGCTGATGAAGTGCAGGGGTTTCGGGATGGAAGCTACGCTGCTGCTGGTGGTGGATA
 CTCACACTCCAAGGGCGTGGCCATCTCCTTCTGGTCTGGCTGTGGGCTTCAGTGGCTTTGCTATCTCT
 GGGTTTAACTGAACCACTTGGACATCGCCCTCGATATGCCAGCATCTTGATGGCATTCCAATGGCG
 TGGGCACACTGTCTGGGATGGTGTGCCCATCATCGTGGGTGCAATGACCAAGCACAAGACGCGGGAGGA
 GTGGCAGTACGTGTTCTCATAGCCTCCCTGGTGCATATGGAGGTGTCATCTTCTATGGGGTCTTTGCT
 TCGGGAGAGAAACAGCCGTGGGCAGAGCCGAGGAGATGAGCGAGGAGAAGTGTGGCTTTGTTGGCCAGC
 ACCAGCTGGCTGGCAGTGACGAAAGTGAATGGAAGACGAGGTTGAGCCCCGGGGGACCCCCCGCACC
 TCCGCCTTCTACGGGGCCACACAGCACAGTTCAGCCTCAAGGCCCCACCCCTGTCCGGGACTAC
 TGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_053859

Insert Size: 1683 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_053859.2](#), [NP_446311.1](#)

RefSeq Size: 2021 bp

RefSeq ORF: 1683 bp

Locus ID: 116638

UniProt ID: [Q62634](#)

Cytogenetics: 1q22

Gene Summary: a Na(+)-dependent inorganic phosphate cotransporter; may be involved in neuronal Na⁺ transport [RGD, Feb 2006]