

Product datasheet for **MC218926**

Slc17a7 (NM_182993) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc17a7 (NM_182993) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc17a7
Synonyms:	2900052E22Rik; AI851913; Vglut1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218926 representing NM_182993
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGTTCGGCAGGAGGAGTTTCGGAAGCTGGCGGGCGCCCTGGGGAGGCTGCACCGTTACTGG
AGAAGCGGCAGGAAGGCGCGGAGACACTGGAGCTGAGTGCCGACGGCGGCCAGTGACCACGCACACTCG
GGACCCGCCTGTGGTGGACTGCACCTGCTTTGGCCTCCCTCGTCGCTACATCATCGCCATCATGAGCGGT
CTGGGTTTCTGTATCAGCTTTGGCATCCGCTGCAACCTGGGCGTGGCCATCGTGTCCATGGTCAACAACA
GCACAACCCACCGTGGGGCCACGTGGTGGTGCAGAAAGCCAGTTCAACTGGGATCCAGAGACTGTCGG
CCTCATACATGGTCCTTTTTCTGGGGTACATTGTCACTCAGATTCTGGAGGATTTATCTGCCAAAA
TTCGCAGCCAACAGGGTCTTTGGCTTTGCCATTGTGGCTACCTCCACCCTAAACATGTTGATCCCTTCAG
CAGCCCGGTTCACTATGGCTGTGTCTTTCGTGAGGATCCTTCAGGGATTGGTGGAGGGGGTTCACATA
CCCTGCTTGCCATGGCATCTGGAGCAAAATGGGCCCTCCCTTAGAACGGAGTCGGCTGGCAACGACAGCC
TTTTGCGGTTCTATGCTGGGGCGGTGGTTGCCATGCCCTTGGCTGGGGTCTTGTGCAGTATTCAGGAT
GGAGTTCTGTCTTCTATGTCTATGGCAGCTTCGGGATCTTTGGTACCTGTTCTGGTTGCTTGTCTCCTA
TGAGTACCGGCACTGCACCCAGCATCTCTGAGGAGGAGCGCAAATACATTGAGGATGCCATCGGGGAG
AGCGCCAAGCTCATGAACCCTGTTACGAAGTTAACACACCCTGGAGGCGCTTCTTTACGTCCATGCCCCG
TCTATGCCATCATCGTTGCGAATTTTGGCGAGCTGGACCTTCTACCTGCTCCTCATCTCTCAGCCCGC
CTACTTTGAAGAAGTGTTCGGCTTTGAGATCAGCAAGTGGGGCTGGTGTGCGGCTGCCTCACCTTGTC
ATGACCATCATCGTACCCATTGGAGGCCAGATCGCTGACTTTTTCGCGAGTCGTACATAATGTCCACTA
CCAAGTGGCAAGCTCATGAACCTGCGGGGTTTCGGGATGGAAGCCACGCTGCTGCTGGTGGTGGGATA
CTCGCACTCCAAGGGCGTGGCCATCTCCTTCTGGTCTGGCTGTGGGCTTCAGTGGCTTTGCCATCTCT
GGGTTTAACTGAACCACTTGGACATCGCCCTCGCTATGCCAGCATCTTGATGGCATTCCAATGGCG
TGGGCACACTGTCTGGGATGGTGTGCCCATCATCGTGGGTGCAATGACCAAGCACAAGACGCGGGAGGA
GTGGCAGTACGTGTTCTCATAGCCTCCCTGGTGCCTACGGCGGTGTCATCTTCTATGGGGTCTTTGCT
TCGGGAGAGAAGCAGCCGTGGGCAGAGCCGAGGAGATGAGCGAGGAGAAGTGTGGCTTTGTTGGCCAGC
ACCAGCTGGCTGGCAGTACGAAAGTGAATGGAGGACGAGGCTGAGCCCCAGGGGCGCCCCCGCGCC
GCCTCCGTCTACGGGGCCACACACAGCACAGTGCAGCCTCCGAGGCCCGCCCCCTGTCCGGGACTAC
TGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_182993
Insert Size: 1683 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
Components:	<p>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).</p>
Reconstitution Method:	<ol style="list-style-type: none">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_182993.2 , NP_892038.2
RefSeq Size:	3011 bp
RefSeq ORF:	1683 bp
Locus ID:	72961
UniProt ID:	Q3TXX4
Cytogenetics:	7 B3
Gene Summary:	<p>Mediates the uptake of glutamate into synaptic vesicles at presynaptic nerve terminals of excitatory neural cells. May also mediate the transport of inorganic phosphate. [UniProtKB/Swiss-Prot Function]</p>