

Product datasheet for **MC204318**

Slc17a6 (NM_080853) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc17a6 (NM_080853) Mouse Untagged Clone
Tag: Tag Free
Symbol: Slc17a6
Synonyms: 2900073D12Rik; DNPI; VGLUT2
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC038375
AGCTATTCTGTTGACTCTCTTTCTCGCCCTCCCTCCCCTCTCCAACCTCACAGCCTTGCTGGAAAGCTCA
CCTCTGCTGAGAAGAAAAGCTCTACCTTAACCAACTAAGACTATGCGCAGAATCCGTCTTTCATAGCCA
CAACAATTTAAATCTGGTAAGGCTGACACCACTTTACAAGAATGGAGTCGGTAAAACAAAGGATTTT
GGCCCCGGGAAAAGAGGGGATAAAGAATTTTGCTGAAAAATCCCTCGGACAGATCTACAGGGTGCTGGAG
AAGAAGCAGGACAACCGAGAGACCATCGAGCTGACAGAGGACGGTAAGCCCTGGAGGTGCTGAGAAGA
AGGCTCCGCTATGCGACTGCACGTGCTTCGGCCTGCCGCGCCGCTACATCATAGCCATCATGAGCGGCC
CGGCTTCTGCATATCCTTCGGCATCCGCTGTAACCTGGGCGTGGCCATCGTGGACATGGTCAACAACAGC
ACTATCCACCGCGGAGGCAAAAGTTATCAAGGAGAAAGCCAAATTTAACTGGGACCCCGAGACCGTGGGGA
TGATCCACGGATCGTTCTTCTGGGGCTATATCATACCCAGATCCAGGAGGATATATCGCATCGCGGCT
GGCTGCTAACCGGTCTTTGGGGCTGCGATACTGCTCACCTCTACCCTCAATATGCTGATCCCATCTGCA
GCCAGAGTGCATTATGGATGTGTATCTTTGTTAGGATATTGCAAGGACTTGTGGAGGGTGTACCTACC
CAGCCTGTGCATGGGATATGGAGCAAGTGGGCCCTCCCTTGGAGAGGAGTAGGTTGGCTACAACCTCCTT
TTGTGGTTCTATGCTGGAGCAGTCATTGCAATGCCCTTAGCTGGTATCCTTGTGCACTACACTGGATGG
TCGTGAGTATTTTATGTGTATGGAAGCTTTGGCATGGTCTGGTACATGTTCTGGCTTCTGGTGTCTTATG
AGAGCCCTGCAAAGCATCCTACCATTACAGATGAAGAACGTAGGTACATAGAGGAGAGCATTGGAGAGAG
CGCAAATCTGCTAGGTGCAATGGAAAAATTTAAGACCCCATGGAGGAAGTTTTTCACATCCATGCCCGTC
TACGCGATAATTGTTGCCAATCTGCAAGAGCTGGACTTTTTATTTACTGCTCATCAGTCAGCCAGCTT
ATTTTGAGGAGGTTTTTGGATTTGAAATCAGCAAGGTTGGCATGTTGCTGCACTCCCTCACCTTGTGCAT
GACAATCATTGTGCCTATCGGGGGCAAATTGCAAGATTTCTAAGGAGCAAGCAAATTTCTCAACAACT
ACAGTGAGAAAGATCATGAATTGTGGGGTTTTGGCATGGAAGCCACGCTGCTTCTGGTTGTTGGCTACT
CTCATACTAGAGGGGTGGCCATCTCCTTCTTGGTCTGCACTAGGATTCAGTGGATTTGCTATCTCTGG
TTTCAATGTTAATCACTTGGATATTGCTCCAAGATATGCCAGTATCTTAATGGGCATTTCAAATGGCGTT
GGCAGCTGTGGGGATGGTTTGGCCTATCATTGTTGGTGAATGACAAAGAATAAGTCCCGTGAAGAAAT
GGCAGTATGTCTTCTCATTGCTGCACTCGTCCACTATGGTGGAGTCATATTTTATGCACTATTTGCCTC
AGGAGAGAAAACCTTTGGCAGACCTGAGGAAAACAAGCAAGAAAAATGTGGCTTCACTCACGAAGAT
GAACTGGATGAAGAAACGGGGACATCACTCAGAATTACATAAATTACGGTACCACCAAATCTTACGGTG



[View online »](#)

```

CTACCTCACAGGAGAATGGAGGCTGGCCTAACGGCTGGGAGAAAAAGGAAGAATTTGTGCAAGAAGGTGC
GCAAGACGCGTACACCTATAAGGACCGAGATGATTATTCATAACGATGCTAGTTGCTGGATTCATTTGTA
GTGTTTGTGAATCAATTAATTGTGATTGCACAAAAATAATTTTAAAAATGTGGTGTGAACATGTAACAT
ATCAACCAAGCAAGTCTTGCTGTTCAAAAAACAAAAAATACTGAATTCAAAAACAGACCATGAGAT
TCCCATCAAGTGAATCTGTGGCAGTTGTCACGTTATGCCGTCTTCATTCAGGCCATTTGCCTTCGTT
TGTGATTTAAAGTTCCTGTAGAAATAAGTAGGTATTCGTTGGACCCATCACCATTTAGAGAGCACAA
CTACAACAGTTGGCAGATGTCATCCTACAGAAGTTAGGAAGCCAAAGCTACTGGATCATGCAAACTGCAC
TTATTTATTACACTGGACTGCAAACTATCCCAGGGAAAGCCTGTCTAGAGACATAGTGAACAGGAAAGA
TGGCTAGATCAGGTATTGACTATAATCATTATGTGTCTATCATGGAGTGGCTATATCTTTCAATGAAGAA
CTATATTGTGTAGCTAGCAAAGTACTGAACTCTTACTAGGAGTGCACAGTGTGTGATTTTTGTGATC
TTCCAAAAGCTTATCTTGCAAGTGTGTTTGTGAAATGCTTGGGCACAAACACTTATTTTTATGAATGAGAGC
TTGTAAGGGAGGGGTATGCTCCATGCTCCCCATTCACTACCTGACAGTATCAAACCTTCACATTTCA
ATAAAATCCAACCTTCATGTAACATATCACATAACTTTTTTTTTTGCAAAAAATAAGAAGAAATAGAC
TTCAATGTATTTTTATTACAACCTTGTACTGGTTGTAACCTGCATTAGGAAAAAATGATTAATATATGT
ATAATCATAAAGAATCTAATAAAAAATTTACTATGATGATATAGCCCTTAAATGCAATATTAACAAAATA
AATAGAAAATTTAGATAATCTTCCCTTGATAACTAGAGACTATATGAAACTCATGCCACAAAGCTATATAT
AATATGAAGAGATAAACAATAGAGATTCTATATGTAGACAATTTTATTACCTAATGTCCACATAAGAGA
TATTTGCTTGAGTATATAGTACAAAATATATTTAAATATATCTACATCCCTGTATATCTTATACATAT
CCACTCACACGAACATAACAAACTTTTTCACACAGAACCAAAAAACAAGCATACACCTAATGTTGGGTTT
GGGGATTGCAATTTCTACTTTTATAGAGTCATAGAATTTTAGATGGAAAAAAGCATTTTGTCTGTC
ATTTCTTAATATAATTCACAGGAAGTGAACATTTGTGTACCAAGCAATAAGTGCAAGCATAAAACT
CCTGTGTGTAATATCCCATGTTGCTGTGTGAGTGCATCCCAATTTACTGCAAAATGTCACCTGGTGTG
GAGCTCTTTTTAATGTTTTGCGCTGATAAGAATGCACATCCCAATTTACTGCAAAATGTCACCTGGTGTG
TTTACCTGTGAGTTTGGGTATTTGATCTGTCTGGTGTCTGTCTTGTACTGGAGGCCCTGCTACTGC
AAATATACAATGTGAAGTTGTTTTTAAATGCAAACTCCTGACCTTAAAGAACTGAAGTCCCTCTCT
GCTTTGTGCTCAGAGTACTATCATGTGACCATAACCTTTGCTGTGCTGAGTAAAGAGATGTGAACTGTC
ATTTTGTGCTGCAAAACAAGTGTAAATAAAATGTTCTTTTTTAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAA
    
```

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_080853
- 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:** [BC038375](#), [AAH38375](#)

RefSeq Size: 3728 bp

RefSeq ORF: 1749 bp

Locus ID: 140919

UniProt ID: [Q8BLE7](#)

Cytogenetics: 7 B4

Gene Summary: 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]