

Product datasheet for **MC206638**

Slc1a7 (BC030400) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc1a7 (BC030400) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc1a7
Synonyms:	EAAT5, MGC40736
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC030400
 CCACGCGTCCGGGACGCCCCGACCACGTGGCCTGCTCTAATTTCCAGGCCCTAATCTGCTCCTAGCTCC
 TAATGATGCAGCTGGTAATAGGATTGTGGCTTCCCTCTGGACGGCTGCACAGACCATGGCTGCAAGGCTG
 CTGATAGGTGCCTAGGACTCTGTTACCTGTAAGCAGAGAGGCTTGTGCCTCCAGCCCAGCCCTGGGCT
 CATCTGACAGTGCATGGAATGGTGCCAACAGGCTGGGCTCAGCATGGTGTCTGACGCTGTCTGGCTCGA
 GGGCGCACAGTGTGAAGCACACGGGCTGCTCATCCTGTCTGTGCTCTCTGTCATCGTGGGCTGCCTCC
 TTGGCTTCTTCCAGGACCCAGCGCTCTACCACAGGAGATTAGTTACTTCCAGTTCCCTGGAGAAT
 CTTGATGCGGATGCTGAAGATGCTGATCCTACCCTGGTGGTCTCCAGCTTGATGTCGGCCTTGCCTCC
 CTGGATGCCAAGACCTCCAGCCGCTTGGGGATCCTCACCGTGGCATACTACCTGTGGACTACCTTTCTGG
 CTGTTGTTGTGGGCATCATCATGGTCTCCATCATCCACCCTGGTGGTGCAGCACAGAAGGAGACAACTGA
 ACAGAGTGGAAAGCCGGTCATGAGCTCAGCTGATGCCCTCCTGGATCTTGTCCGGAACATGTTCCAGCC
 AACCTGGTAGAAGCCACGTTCAAACAGTACCGCACCAAGACCACCCAGTTATCAAGTCTCCAGGGGAG
 CAGCGGAGGAGGCTCCCCGGGATCGTCATCTATGGGGTCCAGGAAGACAATGGCTCACGTGTGCAGAA
 CTTTGCCTGGATCTGACGCCCCACCTGAGATTGTCTACAAGTCAGAGCCTGGTACCAGTGATGGCATG
 AACGTGCTAGGCATTGTCTCTCAGCCACGATGGGTATCATGCTGGGCCGATGGGTGACAGCGGGA
 CGCCCTGGTCAGCTTCTGTGAGTGCCTAATGAGTCTGTGATGAAGATCGTGGCAGTGGCAGGGTGGTA
 CTTTCCCTTTGGCATTGTCTTCCCTGATCGCTGGCAAGATCTTGGAGATGGATGACCCCAAGCAGTGGGG
 AAAAAGCTGGGCTTCTACGCCGTGACTGTGGTTTGTGGGCTGGTGGTCCACGGTCTCCTCATCTGCCCC
 TACTGTACTTCTCATACCAAGAAGAACCCATCGTCTTCCATCCGAGGCGTCTCCAGGCTCTGCTCAT
 TGCGTTGGCCACCTCCTCAGCTCAGCCACACTGCCATCACCTCAAGTGCCTGCTGGAGAACAACCAT
 ATCGACCCCGCATCGCTCGCTTGTGCTGCCTGTGGGCGCCACCATCAACATGGATGGCACCAGGCTCT
 ACGAGGCCGTGGTGCCTCTTTATCGCCAGGTCAACAACTATGAGTAGACTTTGGACAGATCATCAC
 ATCAGCATCACGGCCACGGCAGCCAGCATTGGGCGGCTGGCATCCCCAGCGGGGCTCGTCACCATG
 GTCATCGTGTCACTCTGTGGGACTGCCGACCGATGACATCAACCTCATCATAGCTGTAGACTGGGCAC
 TGATCGCTTCCGAACCATGATTAATGTGCTGGGTGATGCACTGGCGGCAGGGATCATGGCCACATCTG
 CCGGAAGGATTTTGTCTCAGGACATGGGCACTGAGAAAATTGCTACCCTGTGAGACCAAGCCAGTGACTG
 CAGGAGATCGTGGCTGCCAGCAGAATGGCTGTGTAAGAGTGTGGCTGAGGCCTCAGAGCTAACCTGG
 GCCCACGTGCCCCACCACATCCAGTCCAGGTAGAGCAGGATGAGGATCCAGCCGCTGCCAGCCTAGA
 CCACTGTACTATTGAGATCAGTGTGACTAGAGACCAACGTGTGAACCTGCAGGGCCGAGCAGAGCCAAGC
 CAGACCCTGGGGTTTGGGCTAAGGGTAGGAGCTAAACTCAAAACACACCTGGCGCAGGCTGGCACATTC
 CACCCTGACAGGCTAGTCAGTCACTGATGAGAAAGAGTGTCAAAAAGAGACAATATGTGCAGAGACCC
 ATCAGCAACTATGGCTCTTGTGGCCAGAACCTAGCTGTGACAGTTTCTACTACATGAGCACACAAGGT
 ACCTGGTAGGGGCTTTGTCTATACTTTGTGAAAAATAGTTTGGGAGCCGAGAGCTAAAACCACTCCC
 TGAAAGAACAGTCATAGCCAGGATGCTAATTCAAGTCTTGGAGTCTCCGCCACTCTGTTCTAATAAACA
 AGGCAGCTGCAGGGAACAGTGAAGAGGCTCTGCCTTCTCCAGGTCCCCAGGCCACAACAGCTTCCAA
 CTCATGAAGATAGAACAACAGTGTCCCTGTTGTGCCAGCTGTGTCCAGGCCAGGTCAACCCTGCCCC
 ACCCCACAGCATGTGTGTTGGTTTTTTAAAGATTTATTTATTTATTTATTTATGATGTGAGTACACTGTAG
 CTATCTTCAGACACACCAGAAGAGGGGGTCCAGATTCCATTACAGATGGTTTGTGAGTACCATGTGGTT
 GTGGGATTTGAACACAGGACCTCTGGAAGAGCAGTCACTGCTCTTAACCACTGAGCCATCTCCAGCC
 CACAGCATGTGGTTTTAACTCAGTAAAGTCTGGTCCATCCAGGTCTGAGACCTTCTGCCTTCACAGTT
 ACAAGCCTGTCCGTTTCTGTCCACCAGACCTCTCATCTAATATGGAGACTGATGTCCACTAGGGCTGGGA
 AGCCGAGCAGGTACAGCCAGTCAAGCTTCCATGAGATGGGTGGGCAAGGTCCGCCATAAAGAGAAAAGAC
 CCAGCTTGGGATGCTCCGGCCAAGGACTAGCAGTACCTTGGGGTCAAGACTCTTTGTGTGGCAAAATGG
 AACAGAGTCCCTAGTCCCTCCATGTTTGCAGATAATGTGATAAATAAAGTCTGTTTTTTTTTCAAGAC
 TTAATAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: EcoRI-NotI
ACCN: BC030400
Insert Size: 1680 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:	<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:	<u>BC030400</u> , <u>AAH30400</u>
RefSeq Size:	3032 bp
RefSeq ORF:	1680 bp
Locus ID:	242607
Cytogenetics:	4 C7
Gene Summary:	Transports L-glutamate; the L-glutamate uptake is sodium- and voltage-dependent and chloride-independent. Its associated chloride conductance may participate in visual processing (By similarity).[UniProtKB/Swiss-Prot Function]