

Product datasheet for **MC219925**

Slc6a19 (NM_028878) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc6a19 (NM_028878) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc6a19
Synonyms:	4632401C08Rik; B<0>AT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219925 representing NM_028878
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGAGGCTTGTGCTGCCAACCTGGCCTAGAGGAGCGGATTCCATCTCTGGATGAGTTAGAGGTCA
 TTGAAAAGGAAGAGGCCGGCTCCAGGCCAAATGGGACAACAAGGCCAGTACATGCTCACCTGTGTGGG
 CTTTTGTGTGGGCTGGGCAACGTGTGGCGCTTCCCTACCTATGCCAGAGCCATGGAGGAGGGCCTTC
 ATGATCCCATTCCTCATCCTTCTGGTGTTCGAGGGAATTCCTTTGCTGTACCTGGAGTTTGCCATCGGT
 AGAGGCTACGCAAGGGCAGCATGGGTGTGTGGAGCTCCATCCACCCTGCTCTGAAGGGTATAGGCATCGC
 CTCCATGTTCTGTCTTCATGGTGGGCTGTACTACAACACCATCATCGCTGGGTGATGTGGTACTTC
 TTCAACTCCTTTAGGAACCTCTGCCATGGAGTGAATGTCCACTCAACCAGAACCAGACAGGCTATGTGG
 AAGAGTGTGCCAAGAGCTTCCGTGGACTACTTCTGGTACCGAGAGACTCTTAATATCTCCACTCCAT
 CAGTGACTCAGGCTCCATCCAGTGGTGGATCCTGCTCTGCCTGACATGTGCTGGAGTGTGCTGTATGTG
 TGTATTATCCGTGGCATCGAGACCACTGGGAAGGCTGTGTACATCACCTCCACCTGCCCTATGTTGTAC
 TGACCATCTTTCTCATCCGTGGCTTGACTCTGAAGGGTGCCACCAACGGCATTGTCTTCTTTTCACACC
 CAATATCACAGAGCTGAGCAACCCCAACACGTGGCTGGATGCAGGTGCTCAGGTCTTCTACTCCTTCTCA
 CTGGCCTTCGGGGGCTCATCTCCTTCTCCAGCTACAACCTCTGTGCACAATAATTGTGAGATGGATTCTG
 TGATCGTGTCTGTCAATGGCTTACATCTGTGTATGCGGCCACCGTGGTCTACTCCATCATTGGCTT
 CCGAGCCACTGAGCGCTTGTGACTGTGTCAACACGAACATCCTGACCCTCATCAATGGGTTGACCTG
 CCGGAGGGCAATGTGACTTCAGAGAACTTTGAGGCCTACCAACAGTGGTGAATGCCACTAATCCCCAGG
 CCTATGCACAACCTGAAGTTTCAGACCTGTGACATTAACAGCTTCTTTCTGAGGGTGTGGAGGGCACAGG
 CTTGGCCTTCATTGTCTTACGGAAGCCATCACGAAGATGCCAGTGTCCCACTGTGGTCTGGTCTCTTT
 TTTATAATGCTCTTCTGCTGGGACTCTCTCCATGTTTGGGAACATGGAGGGTGTGGTCTGACCCCTTC
 AGGACCTCAATATCACCCCTAAGAAGTGGCCAAAGAATTGTTGACAGGCCTCATCTGCTGGGGACATA
 TCTCATCGCCTTCATTTTCACTGAATTCGGGCCAGTACTGGCTCTCTCTCTGGACAGCTTGTCTGGC
 TCCATTCTCTGCTAATCATCGCCTTTTGTGAGATGTTTGCCGTCGTCTACGTGTATGGAGTTGACAGGT
 TCAACAAGGACATCGAGTTCATGATCGGCCATAAGCCCAACATCTTCTGGCAAGTCAGTGGAGAGTGGT
 CAGTCCACTGATCATGCTGGTCTCTTCTCTTCTTTTGTGATTGAGGTCAACAAAACGCTCATGTAT
 AGCATCTGGGACCCTAATATGAGGAGTCCCGAAATCTCAGAAGATTCCATACCCCAACTGGGTGTATG
 CAGTTGTGGTCACTGTGGCTGGAGTACCTGCCTCTCCATCCCCTGCTTTGCCATCTACAAGTTTCATCAG
 AAATTGTTGTGAGAAGTCTGATGACCACCATGGGTGGTCAATACACTGTCCACAGCCTCTGTGAATGGG
 GACCTTAAGAACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_028878

Insert Size: 1905 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_028878.3, NP_083154.1</u>
RefSeq Size:	2439 bp
RefSeq ORF:	1905 bp
Locus ID:	74338
UniProt ID:	<u>Q9D687</u>
Cytogenetics:	13 C1
Gene Summary:	Transporter that mediates resorption of neutral amino acids across the apical membrane of renal and intestinal epithelial cells (PubMed:17167413, PubMed:26240152, PubMed:19185582, PubMed:15044460). Required CLTRN in kidney or ACE2 in intestine for cell surface expression and amino acid transporter activity (PubMed:19185582, PubMed:17167413). This uptake is sodium-dependent and chloride-independent (PubMed:15044460, PubMed:18424768, PubMed:19185582, PubMed:21636576, PubMed:26240152).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.