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Product datasheet for RN200966

Slc6a19 (NM_001039722) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc6a19 (NM_001039722) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc6a19
Synonyms:	B0at1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>RN200966 representing NM_001039722
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTGAGGCTTGTGCTACCCAACCCTGGCCTAGAGGACCGGATTCCGTCTCTGGATGAATTAGAGGTCA
TTGAAAAGGAAGAGGCCAGCTCCAAGCCCAAATGGGACAACAAGGCCCAGTACATGCTCACCTGTGTGGG
CTTCTGTGTGGGGCTGGGCAATGTCTGGCGCTTCCCTTACCTGTGCCAGAGCCATGGAGGAGGGGCCTTC
ATGATCCCCTTCCTCATCCTTCTGGTCCTGGAGGGCATTCCCTTGCTGCACCTGGAGTTTGCCATCGGAC
AGAGGCTACGCAAGGGCAGTGTGGGCGTCTGGAGCTCCATCCACCCTGCTCTGAAGGGTGTAGGCATCGC
CTCCATGTTCGTGTCCTTCATGGTGGGCCTGTACTACAACACCATCATCGCCTGGGTCATGTGGTATTTC
TTCAACTCCTTTCAGGAACCTCTGCCATGGAGCGAATGCCCACTCAACCAGAACCAGACAGGCTATGTGG
AAGAGTGTGCCAAGAGCTCTTCTGTGGACTACTTCTGGTACCGAGAGACTCTCAACATCTCCACTCCTAT
CAGTGACTCAGGCTCCATCCAGTGGTGGATCCTGCTCTGCCTGACATGTGCCTGGAGTGTTCTGTATGTG
TGTACTATCCGTGGCATCGAGACCACTGGGAAGGCTGTTTACATCACCTCCACCCTGCCCTATGTCGTAC
TGACCATCTTTCTCATCCGTGGCTTGACTCTGAAGGGTGCCACCAACGGCATTGTCTTCCTTTTCACACC
CAATATCACAGAGCTGAGCAACCCCAACACGTGGCTGGATGCAGGTGCTCAGGTTTACTACTCCTTCTCA
CTGGCCTTCGGGGGCCTCATCTCCTTCTCCAGCTACAACTCTGTACACAATAATTGTGAGATGGATTCCG
TGATCGTGTCCATCATCAATGGCTTCACATCTGTGTATGCGGCCACCGTGGTCTACTCTATCATTGGCTT
CAGGGCCACCGAGCGCTTTGATGACTGTGTGAACACGAACATCCTGACCCTCATCAATGGGTTCGACCTG
CCCGAGGGCAATGTGACTGCGGAGAACTTCGAGGCCTATCAACATTGGTGCAATGCCACTAATCCCGAGG
CCTATGCCCAGCTGACGTTTCAGACCTGTGACATTAACACCTTCCTCTCTGAGGGTGTAGAGGGCACAGG
CCTGGCCTTCATTGTCTTCACTGAAGCCATCACGAAGATGCCAGTGTCCCCACTGTGGTCGGTGCTCTTC
TTTATCATGCTCTTCTGCCTGGGCCTCTCCTCTATGTTTGGGAACATGGAGGGTGTGGTCGTACCCCTTC
AGGATCTCAATATCACCCCTAAGAAGTGGCCCAAAGAACTGCTCACAGGTCTCATCTGCTTGGGGACATA
TCTCATCGCCTTCATTTTCACACTGAATTCGGGCCAGTACTGGCTCTCCCTGCTGGACAGCTATGCTGGC
TCCATCCCTCTGCTAATCATCGCCTTTTGTGAGATGTTTGCTGTCGTCTACGTGTATGGAGTTGACAGGT
TCAACAAGGACATCGAGTTCATGATCGGCCATAAGCCCAACATCTTCTGGCAAGTCACGTGGAGAGTGGT
CAGTCCGCTGATCATGCTGGTCATCTTCCTCTTCTTTTTCGTGATTGAAGTCAACAAACAGCTCATGTAT
AGCGTATGGGACCCTGACTATGAGGAGTTCCCGAAATCTCAGAAGGTTCCATACCCCGACTGGGTGTACG
CAGTTGTGGTCATTGTGGCTGGAGTACCCTGCCTTACCATCCCCTGCTTTGCCATCTACAAACTCATCAG
AAACTATTGCCAGAAGTCTGGGGACCAACATGGGCTGGTCAATGCGCTGTCCACAGCCTCTGTGAATGGG
GACCTTAAGAACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001039722

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.
RefSeq:	NM_001039722.2, NP_001034811.1
RefSeq Size:	2452 bp
RefSeq ORF:	1905 bp
Locus ID:	664630
UniProt ID:	Q2A865
Cytogenetics:	1p11
Gene Summary:	Transporter that mediates resorption of neutral amino acids across the apical membrane of renal and intestinal epithelial cells. Required CLTRN in kidney or ACE2 in intestine for cell surface expression and amino acid transporter activity. This uptake is sodium-dependent and chloride-independent.[UniProtKB/Swiss-Prot Function]