

Product datasheet for **RN212630**

Slc16a10 (NM_138831) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc16a10 (NM_138831) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc16a10
Synonyms:	Tat1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN212630 representing NM_138831

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGGTGCCGTCCCTGGAGGAGCCCGCCGCCGAGCGGGAGACGAACGAGGCGCAGCCCGGGGCCCCG
CGCCCTCGGATGACGCTCCGCTGCCCGTCCCGGGACCGTCGGATGTCTCCGACGGGTCCGTAGAGAAAGT
GGAGGTGGAGCTGACGAGGTCAACGGGCAACCAGGAGCCCCGAGCCCCCGAGGGCGGCTGGGGCTGG
CTGGTGATGCTGGCGCCATGTGGTGCAATGGGTCTGTGTTTGGCATCCAGAACGCCTACGGGTGCTCT
TCGTGTCCATGCTGGAGACCTTCGGGGCAAGGACGATGACAACATGGCCTTCAAGGCAGCATGGGTAGG
CTCGTGTCATGGGCATGATCTTCTTCTGCTGCCCCATAGTGAGTGTCTTCACAGACATGTTTGGTTGC
CGGAGAACAGCTGCTCGGGTGCAGCTGTAGGATTCGTTGGACTCATGTCCAGTTCTTTTGAAGCTCCA
TCGAGCCCTCTACTTCACCTATGGAGTCGATTTGCTGCGGCTGCTCCTTTGCCTACCAGCCGCTCACT
GGTCATTCTGGGACACTACTTCAAGAAGCGCCTGGGACTAGTCAACGGCATCGTACGGGTGGCAGCAGC
GTCTTCACAATCTTGCTCCCTTTGCTGTTAGGGAATCTGACCTCCACCGTGGGCCCTCTGTACACACTGC
GAATTCCTGTCATCTTATGTTCTGTTCTCTTTCTGGCTGGCTTCACTTACCGACCTCTCGTTCCAGCAG
CAAAGAGAAAGAGAGTGAGGACAGCAGAAGTTCCTTCTTCCAGGAGAAAGCTTAGTCTCCAAAAA
ATCTTCAACTTTGCCCTTCAAGGAGACCGCCTATGCCGTGTGGGCTGCTGGGATACCACTTGCTCTCT
TTGGATACTTTGTGCCTTATGTTCACTTGATGAACCATGTAAAGGAAAGGTTTAAAGATGTGAACAACA
GGAGGTGCTCTTCATGTGATTGGCGTCACTTCAGGGGTTGGACGGCTTCTCTTCGGCCGATTGCAGAC
TATTTGCCTGGTGTAAAAAGGTCTACCTGCAGGTCTCTCCTTCTTCTCATCGGCCTGACGTCCATGA
TGATTTCCCTGTGCAGCGTTTTTCGGAGCCCTCATTGCCCTCTGCCTCATCATGGGTCTCTTCGACGGGTG
CTTCATCTCCATCATGGCGCCCATTTGCCTTTGAATTAGTTGGTCTCAGGATGCTTCCAGGCCATTGGG
TTTCTCCTTGATTATGTCCATCCCCATGACTGTTGGTCTCCTGTTGCAGGGTGTCTCATGACAAAC
TGGGCTCCTATGATTTGGCCTTCTACCTCGCTGGGATCCCTCCCTTCACTGGAGGTGCTGTGCTGCTT
AATCCCGTGGATTATAGCAAGAAGCAGAGAGAGATCAGTAAAAACACCGGAGGGGAGAAGATGGAGAAA
ATGCTGGCGAACCAGAGCTCTCTCTGTCAAGTTCATCTGGAATCTTCAAAAAGGAATCCGACTCAATTA
TTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_138831

Insert Size:

1545 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:	<u>NM_138831.1, NP_620186.1</u>
RefSeq Size:	2540 bp
RefSeq ORF:	1545 bp
Locus ID:	170566
UniProt ID:	<u>Q91Y77</u>
Cytogenetics:	20q12
Gene Summary:	Na ⁺ -independent aromatic amino acid transporter; involved in aromatic amino acid absorption from the intestinal lumen [RGD, Feb 2006]