

Product datasheet for **RN206449**

Slc7a8 (NM_053442) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc7a8 (NM_053442) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc7a8
Synonyms:	Lat2; Lat4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN206449 representing NM_053442
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGGAAACCCGACAGCGAAACAACACCCGGAAGAACCACCCGGACCCGGATCTGACACCAGCC
 CTGAGGCCGAGGCTAGCTCGGGAGGGGGCGGAGTAGCCCTGAAGAAAGAGATCGATTGGTCAGCGCCTG
 TGGTATCATTGTAGGGAACATCATTGGCTCCGGAATCTTCGTCTACCAAAGGGTGTGCTGGAGAACCGT
 GGCTCGGTGGCCTTGCTCTCATTGTCTGGATCGTGACGGGTGTCATCACGGCTGTGGGAGCTCTGCT
 ATGCTGAAGTGTGACCATCCCTAAATCTGGAGGTGATTACTCTATGTCAAGGACATCTTCGGAGG
 ACTGGCTGGGTTCTGCGGCTATGGATTGCTGTGCTGGTATCTACCCACCAACCAAGCTGTCATCGCC
 CTCACCTTCTCCAATATGTGCTGCAGCCACTTCCCTACCTGCTTCCCCCTGAGTCCGGCTGCGAC
 TCCTGGCTGCCATCTGCCTGTTGCTGCTCACATGGGTCAACTGCTCCAGTGTCCGATGGCCACCCGGGT
 TCAAGATATCTCACGGCTGGGAAGCTCCTGGCCCTGGCTCTGATCATCATCATGGGTGTTGTGCAGATA
 TGCAAAGGAGAATTCTTTGGCTGGAGCCAAAGAATGCATTTGAGAATTTCCAAGAACCAGACATCGGCC
 TCGTCGCTCTGGCTTTCCTCCAGGGCTCCTTTCCTACGGAGGCTGGAATTCCTTAATTACGTGACGGA
 GGAACCTTGTGGATCCTTACAAGAACCTTCTAGAGCCATCTTCATTTCCATCCCCTGGTACATTTGTG
 TACGTCTTTGCTAATATCGCCTATGCTACTGCAATGTCCCCCAGGAGCTGCTGGCCTCAAATGCAGTCG
 CTGTGACTTTTGGAGAGAAGCTCCTAGGGGTGATGGCCTGGATCATGCCATTTCCGTGCGCCTGTCCAC
 ATTTGGTGGAGTCAACGGTTCCTCTTCCCTCCTCCCGCTGTTCTTTGCTGGAGCCAGAGAAGGCCAC
 CTTCCAGCGTGTAGCCATGATCCACGTGAAGCGTGCACCCCAATCCCAGCACTGCTCTTACATGCC
 TCTCCACCTGCTGATGCTGGTACCAGTGACATGTATACACTCATCAACTACGTGGCTTCATCAACTA
 CCTCTTCTACGGGTTACAGTTGCAGGACAGATAGTCCTTCGCTGGAAGAAGCCTGACATCCCCGCCCC
 ATCAAGATCAGCCTGCTGTTTCCATCATCTACTTGTGTTCTGGGCCTTCTGCTGATTTTCAGCCTGT
 GGTGAGAGCCAGTAGTATGCGGCATTGGCCTTGCATCATGCTGACGGGTGTTCTGTATACTTCTGGG
 TGTCTACTGGCAACACAAACCAAGTGTTCATGACTTCATTGAGTCCCTAACTCTAGTGAGTCAGAAG
 ATGTGTGTGTCGTGATCCCCAGGAGGGGACTCGGGGACCGAGGAAACAATTGATGACGTAGAGGAAC
 AACACAAGCCTATCTCCAGCCTACTCTGTCAAGGACCCAGACTCGGAGGAGCAGCCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_053442

Insert Size: 1602 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_053442.1](#), [NP_445894.1](#)

RefSeq Size: 4117 bp

RefSeq ORF: 1602 bp

Locus ID: 84551

UniProt ID: [Q9WVR6](#)

Cytogenetics: 15p13

Gene Summary: transports all neutral amino acid L-isomers; activity is Na⁺ independent; may play a role in neutral amino acid transport in epithelial and blood-tissue barriers [RGD, Feb 2006]