

Product datasheet for **RN204679**

Slc6a7 (NM_053996) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Slc6a7
Synonyms:	Prot
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>RN204679 representing NM_053996
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGAAGCTCCAGGAAGCTCACCTCCGAAGCCTGTACCCAGACCTGCTGATGACTCCCAGTGACC
AGGGTGATGTGGACCTGGATGTAGACTTTGCAGCAGACAGAGGCAACTGGACGGGCAAGCTGGACTTCTT
GCTGTCCTGCATCGGCTACTGTGTGGGCTTGGGAAATGTCTGGCGGTTTCCCTATCGAGCCTACACCAAT
GGAGGCGGAGCCTTCTCGTGCCCTACTTCTCATGCTGGCCATCTGTGGCATCCCCCTCTTCTTTCTTG
AGCTCTCCCTGGGCCAGTTCTCCAGCCTGGGACCCCTGGCTGTCTGGAATCAGCCCCCTCTTCAAAGG
TGCGGGTGACAGCCATGCTGCTCATCGTGGGCTGGTGGCCATCTACTACAACATGATCATCGCCTACGTC
CTCTTCTACCTCTTCGCCTCCCTCACCAGCAACCTGCCCTGGGAGCATTGCGGCAACTGGTGAACACAG
AACGCTGCCTGGAGCACAGAGGCCCAAGGATGGCAACGGGGCACTGCCTCTTAACCTCAGCAGCACTGT
CAGCCCCAGTGAGGAGTACTGGAGCCGATATGCTCTGCACATTAGGGCAGCCAGGGCATCGGCCGACCC
GGGGAGATTGCTGGAACCTCTGCCTCTGCCTGCTGCTGGCCTGGGTATCGTGTCTCTGTATCCTGA
AGGGGGTGAAGTCCTCGGGCAAGGTGGTGTATTTCACAGCCACCTTCCCTACCTCATCCTGCTCATGCT
CCTGTTTCGAGGAGTGACCTTCCCGGGGCTGGAAGGGCATCCAGTTCTATCTACCCCCCAATTCAC
CACCTGCTGTCTTCAAGGTGTGGATTGAAGCTGCTCTTCAGATCTTCTACTCTTAGGAGTGGGTTTTG
GGGGTCTTCTCACCTTTGCCTCTACAACACATTCCACCAGAACATCTACAGAGACACCTTCATTGTAC
TCTGGGCAATGCCATCACCAGCATCTGGCTGGTTTTGCTATCTTCTCGGTGCTGGGCTACATGTCGAG
GAGCTGGGTGTGCTGTGGACCAAGTGCCAAAGCAGGCCCTGGCCTGGCCTTTGTTGTCTACCCACAGG
CCATGACTATGTTGCCTCTGTACCCCTTCTGGTCTTCTCTTCTTCTCATGCTTCTGACTCTTGGCCT
CGATAGCCAGTTTGCCTTCTGGAAACCATAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA
CCCAAGAAGGCAGTGTTCTCAGGCCTCATCTGTGTAGCCATGTACCTGATGGGACTGATCCTCACCACCG
ATGGGGGGATGTAAGTGGTGGTCTTCTGGATGACTACAGCGCCAGCTTCGGACTCATGGTGGTGGTGT
TACCACATGCCTCGCTGTACCCGGGTATACGGCATCCAGCGGTTTTGTCGTGACATCCACATGATGCTG
GGCTTCAAGCCAGGACTCTACTTCAGGGCCTGCTGGCTGTTTTGTCCTCGGCCACACTCTTGGCCTTGC
TGGTGTACAGTATCGTCAAGTACCAGCCCTCGGAATACGGTAGCTATCGCTTCCCGCCTGGGCCGAGCT
GCTAGGCATCCTGATGGCCTGCTCTCCTGCCTCATGATCCAGCTGGCATGCTGGTAGCTGTGCTTGA
GAGGAGGGCTCGCTCTGGGAGCGACTTCAGCAAGCCAGCCGCTCTGCTATAGACTGGGGCCCATCACTGG
AAGAGAACCGGACGGGCATGTATGTGGCCACCCTGGCTGGGAGCCAGTACCAAAACCCTGATGGTACA
CATGCGAAAATATGGGGGCATCACCAGTTCGAGAATACAGCCATTGAGGTGGACCGTGAGATCGCAGAG
GAGGAAGAGGAGTCCATGATGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_053996

Insert Size:

1914 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_053996.2</u> , <u>NP_446448.2</u>
RefSeq Size:	2721 bp
RefSeq ORF:	1914 bp
Locus ID:	117100
UniProt ID:	<u>P28573</u>
Cytogenetics:	18q12.1
Gene Summary:	Na(+)-dependent transporter involved in L-proline uptake in glutamatergic neurons [RGD, Feb 2006]