

Product datasheet for **RN205060**

Slc28a2 (NM_031664) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc28a2 (NM_031664) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc28a2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN205060 representing NM_031664
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGAAGTCAGAGGGAAGAAAGTCTGCTTCCAGGACACATCGGAGAATGGCATGGAGAACCCAGGCC
 TGGAGCTCATGGAAGTCGAAACCTTGAGCAAGGCAAAACACTGGAGGAAGTGACACAGGGACATAGCCT
 GAAGGATGGCTTGGGGCATTCTCTCTCTGGAGGAGGATTCTTCAGCCCTTCACCAAGGCGAGAAGTTTC
 TATCAAAGACATGCTGGTTTATTCAAAAAGATCCTGCTTGGTCTCTTGTGTTTAGCGTATGCTGCCTACC
 TCCTGGCAGCTTGCATCCTGAACCTCCGGAGGGCACTGGCCTTGTGTGTCATCACCTGCCTTGCATCTT
 CATCCTGGCTTGGCACTTTCTGAAAAAATCTTTGCTAAAAAGTCAATAAGATGCTTGAAGCCCTTGAAA
 AACACCCGCTGAGACTTTGGCTTAAGAGGGTGTTCATGGGAGCCGCTGTGTGCGCCTTATTCTCTGGC
 TGGCTCTGGACACAGCTCAAAGGCCAGAGCAGCTGATCTCCTTTGCGGGAATCTGCATGTTTCATCCTCAT
 CCTCTTTGCTGCTCCAAACACCACAGTCCGGTGAAGTGGAGGACAGTGTGTTGGGCTGGGCCTTCAG
 TTCGTCTTTGGGATTTTGGTCATCAGAAGTGAACCTGGATTTAATGCATTCAATGGCTGGGAGATCAGA
 TCCAGATTTTCTGGCATATACTGTAGAAGGATCCAGTTTGTGTTTGGTGACACACTGGTCCAAAGTGT
 TTTTGCTTTTCACTCTCTCCCAATCATTATTTCTTCGGATGTGTGATGTCTATTCTCTACTACCTGGGC
 CTTGTGCAGTGGGTGATCCAGAAGATTGCCTGGTTCCTGCAATCACCATGGGTACCACAGCTGCAGAGA
 CCCTGGCCGTGGCAGGAAACATCTTTGTGGGAATGACAGAGGCACCTCTGCTCATCCGTCCTACCTTGC
 AGACATGACCCCTCTGAAATCCATGCAGTGTGACTGGAGGCTTTGCTACTATAGCAGGCACAGTGTG
 GGAGCCTTCATATCCTTTGGGATTGATGCATCATCCTTGATTCTGCCTCAGTGTGCTGCCCTTGTG
 CACTTGCTTGTCCAACTGGTATATCCAGAAGTAGAAGAGTCCAAGTTCAAGAGCAAGGAGGGAGTGAA
 GCTGCCTCGAGGGGAAGAGAGGAATATTCTGGAAGCCGCGAGCAACGGAGCCACAGATGCCATAGCGCTT
 GTTGCTAATGTTGCAGCCAACCTGATTGCCTTTCTGGCTGTATTGGCCTTCATCAATTCTACCTTTCT
 GGCTGGGGGAAATGGTGGATATCCATGGACTCACTTTCCAGGTGATCTGCTCCTATGCTCAAGGCCAAT
 GGTTTTTCATGATGGGTGTACAGTGGCAGACTGCCCATTTGGTGGCTGAGATAGTGGGAGTCAAAATCTTC
 ATAAATGAATTTGTGGCCTATCAACAAGTGTCTCAGTACAAGAACAACGTCTCTCTGGAGTCAAGAGT
 GGATCAATGGCGAGAAACAGTGGATTTCTGTGAAGGCTGAAATCATTGCAACATTTCTCTCTGTGGATT
 TGCCAATCTTACTCCATAGGGATCACACTGGGAGGCTTGACATCCATGGTTCCCAACGGAAGAGTGAC
 TTGTGCAAGCTTGTGGTCAGGGCCCTCTCACAGGTGCCTGTGTTTCTTCATCAGTGCCTGTATGGCAG
 GAATCCTCTATGTTCCAGAGGCGCTGAACTGACTGTGTCTATTCTTAAACACAAATTTACCAACAG
 AACCTATGAGACATATGTGTGCTGCAGAGAGCTTTCCAGAGTACTTTGCTGAATGGCACCAACATGCCT
 TCTTTCTCAGGCCCTGGCAAGACAAGGAGTCCAGCCTCAGGAATCTTGCTAAATGCTGTGACCTCTATA
 CCAGCACTGTGTGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_031664

Insert Size:

1980 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_031664.1, NP_113852.1</u>
RefSeq Size:	2881 bp
RefSeq ORF:	1980 bp
Locus ID:	60423
UniProt ID:	<u>Q62773</u>
Cytogenetics:	3q35
Gene Summary:	regulates adenosine transport across the blood-brain barrierinto the brain [RGD, Feb 2006]