

Product datasheet for **RN216852**

Slc3a2 (NM_001271089) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc3a2 (NM_001271089) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc3a2
Synonyms:	Mdu1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN216852 representing NM_001271089
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCCAGGACACCGAAGTGGACATGAAAGATGTGGAGCTGAACGAGCTGGAACCGGAGAAGCAGCCTA
 TGAATGCAGCGGACGGGCGGCAGCCGGGAGAAACCGTCTGGTGAAGATTAAGGTGGCCGAAGACGA
 GGCGGAAGCCGGGTCAAGTTCACAGGCTTATCCAAGGAGGAGCTATTGAAGGTAGCTGGCAGCCCGGGC
 TGGGTGCGCACCCGCTGGGCGCTGCTGCTCTTCTGGCTCGGTTGGCTGGGTATGCTGGCGGGCGCCG
 TGGTTATCATCGTTCGGGCGCCAGCTGCCGTGAGCTGCCGTTACAGAGATGGTGGCACAAGGGCGCCCT
 CTACCGCATCGGCGACCTTCAGGCCTTCGTAGGCCGGAAGCGAGAGGCATAGCTGGTCTGAAGAACCAT
 CTGGAGTACTTGAGCACCTGAAGGTGAAGGGCCTAGTTTGGGCCAAATCACAAGAACCAGAAGGATG
 AAGTCAATGAAACCGACTTGAAACAGATTGATCCCGATTAGGCTCCCAGGAAGATTTAAAGACCTTCT
 ACAAAGTGCCAAAGAAAAGAGCATTACATCATTTTGGACCTCACTCCCAACTATAAGGGCCAGAATGCA
 TGGTTCCTCCCTCCTCAGGCTGACATTGTAGCCACCAAATGAAGGAGGCTCTGAGTTCTTGGTTGCAGG
 ACGGTGTGGATGGTTCCAAGTTCGGGATGTGGGAAAGCTGGCGAATGCATCCTTGTACTTGGCTGAGTG
 GCAGAATACCAAGAAGTTCAGTGAGGACAGGCTTTTGATTGCAGGGACCGCTCCTCTGACCTGCAA
 CAAATTGTCAACATACTGAATCCACCAGCGATCTGCTGCTGACCAGCTCATACCTGTCACAGCCCGTTT
 TCACTGGGAGCATGCAGAACTCCTAGTGATTAAGTATTTGAATGCCACTGGCAGCCGCTGGTGCAGCTG
 GAGTGTGTCGACGAGGACTCCTGACATCCTTATACCGGCTCAGTTTCTCCGACTCTACCAGCTGCTG
 CTCTTCACTCTGCCAGGAACTCCTGTTTTCAGCTATGGGATGAGCTTGGCCTTCAGGCAGTTGCCCTTC
 CTGGACGCCTATGGAGGCTCCATTCATGCTGTGGAATGAGCTAGCAACTCCAAACCTCAAGTCCCTGT
 AAGCCTCAACATGACAGTGAAGGGCCAAAATGAAGACCCCGGCTCCCTCCTCACCCAGTTCGGGCGACTG
 AGTGACCTCCGTGGTAAGGAGCGCTCTCTGTTACACGGTGACTTTGATGCACTGTCTTCCCTCATCTGGCC
 TCTTCTCTACGTCGCCACTGGGACCAGAATGAGCGTTACCTGGTGGTCTCAACTCCAGGATGTGGG
 CCTGTCAGCCAGGGTAGGAGCCTCAACCTCCCTGCTGGCATAAGCCTGCCAGCCAGTGCTAACCTTTTG
 CTTAGTACTGACAGCACCCGGCTAAGCCGTGAGGAGGGCACCTCCCTGAGCCTGGAAAACCTGAGCCTGA
 ATCCTTATGAGGGCTTGTGTTACAGTTCCTTTTGTGGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001271089
- Insert Size:** 1584 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001271089.2](#), [NP_001258018.1](#)

RefSeq Size: 1854 bp

RefSeq ORF: 1584 bp

Locus ID: 50567

UniProt ID: [Q794F9](#)

Cytogenetics: 1q43

Gene Summary: Na⁺-independent neutral amino acid transporter; may have a role in cell growth and activation [RGD, Feb 2006]

Transcript Variant: This variant (2) contains an alternate segment in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus compared to isoform 1.

Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.