

Product datasheet for **RN214110**

Slc3a1 (NM_017216) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc3a1 (NM_017216) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc3a1
Synonyms:	NBAT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN214110 representing NM_017216
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAATGAGGACAAAGACAAGAGAGACTCTATCCAGATGAGTATGAAGGGATGCCGACGAATAACGGGT
 TTGTCCAAAATGAAGACATCCAGGAGCAGGACCCAGACTCCAGGGACACTCCACAGTCCAACGCTGTAG
 TATCCCTGCTCCAGAGGAGCCTCAACTAAAGGTGGTGCGCCCTATGCAGGGATGCCAAGGAGGTGCTG
 TTCCAGTCTCTGGCCAGGCTCGCTACCGGGTGCCTCGGGAGATCCTCTTCTGGCTCACCGTGGTCTCCG
 TGTTCTGCTCATCGGAGCCACCATAGCCATCATCATCTCTCCAAAATGCCTTGACTGGTGGCAGGC
 AGGTCCCATGTACCAGATCTACCGAGGTCTTTAAGGACAGTGACAAGGATGGGAATGGAGACCTGAAA
 GGTATCCAAGAGAAGCTGGACTACATCACTGCTTTAAATATAAAGACCATTTGGATCACTTCTTTTATA
 AATCACCTTTGAAAGATTTAGATATGCTGTTGAAGATTTCAAAGAAATGACCCATTTTTCGGAACAAT
 GAAAGATTTTGAAGATTTGGTTGCTGCGGTCCATGACAAAAGTTTAAATTAATAATTGACTTCATACCA
 AACACACCAAGTACAAAACATCCTTGGTCCAATCGAGTAGGACACGGAGCGGAAATACACTGATTATT
 ACATCTGGCACAACGTACCCACGCCAACGGTGTAAACCACCCCTCCCAACAACCTGGCTGAGCGTGTATGG
 AAACCTCCAGCTGGCAGTTTGTGAAGAAGCAAGCAATGTTATTTTACCAGTTTTTGAAGAGCAGCCG
 GATCTTAATTTCCGAAATCCTGCTGTTCAAGAAGAAATAAAGGAAATAATAAAGTTCTGGCTCTCAAAGG
 GTGTTGATGGGTTTAGTTTCGATGCAGTAAATTTCTTCTGGAAGCAAAGGACCTGAGAAATGAAATCCA
 AGTAAATACATCCAAAATCCGGACACAGTGACCCGCTACTCAGAACTGTACCAGACTTACCACCTACC
 CAGGTGGGAATGCATGACCTGTCCGGGACTTCCGGCAGACCATGAACCAGTTGAGCCGGGAGCCTGGCA
 GATACCGGTTTCATGGGGACGGAGGTGTCAGCTGAGAGCACCGAGAGGACCATGGTGTACTATGGCCTGTC
 ATTTATCCAGGAAGCTGACTTCCCTTTCAACAAGTACTTAGCCACACTAGACACTCTTCCGGGCATACT
 GTGTACGAAGCTATCACATCCTGGATGGAAAACATGCCGGAAGGAAAATGGCCAACTGGATGATTGGCG
 GACCAGAGACTTCTCGGCTGACTTCTCGAGTAGGGAGCGAGTATGTCAATGCCATGAACATGCTTCTGTT
 CACACTCCAGGAACCCCATAACTTACTATGGGGAAGAAATAGGGATGGGAGATATTTCCATTACAAAC
 CTCAACGAGCGCTATGACACTAACGCCCTTCTCTCAAGTCACCGATGCAGTGGGACAATAGTTCAAATG
 CGGGGTTTACTGAGGCCAACACACCTGGCTCCCCACAACTCTGACTACCACACAGTGAATGTGGATGT
 CCAAAAAACCCAGCCGAGCTCAGCACTGAGGCTATATCAGGATCTGAGTCTACTCCATGCCAGAGAGCTG
 CTTCTCAGCAGAGGCTGGTTTTGCTTTTGGAGGACGACAATCACTCTGTTGTGTACACCAGGGAGCTGG
 ATGGCATAGATAAAGTCTTCTTGTGGTTCTGAATTTTGGAGAATCATCAACTGTCTAAATCTACAGGA
 AACTATTTTCAGATGTTCTACAAAACCTGAGAATAAGATTAAGTACCAATCCAGCCTCCAAAGGCAGTGAT
 GTTGATACCCATGCCGTTTCTCTGGAGAAGGGAGAGGGGCTCATCTTGGAACACAGCATGAAGACTCTCC
 TCCATCACCAGAAAGCTTTCAGAGACAAATGTTTTATTCCAACCGTGCATGCTACTCCAGCGTGTGGA
 CTTCTGTATAGCTCGTGC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_017216
- Insert Size:** 2052 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_017216.1](#), [NP_058912.1](#)

RefSeq Size: 2305 bp

RefSeq ORF: 2052 bp

Locus ID: 29484

UniProt ID: [Q64319](#)

Cytogenetics: 6q12

Gene Summary: carrier protein involved with the transport of cystine and other amino acids across the membrane [RGD, Feb 2006]