

Product datasheet for **MC206266**

Slc3a1 (BC013441) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc3a1 (BC013441) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc3a1
Synonyms:	D2H, NBAT, NTAA, RBAT
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC013441
 CACCAGGAAGAGCTACACAGGGTAGACATGGATGAGGACAAAGGCAAGAGAGACCCCATCCAAATGAGTT
 TGAAGGGATGCCGAACCAATAACGGGTTTGTCCAAAATGAAGACATTCGGGAGCAGGACCCAGACCCAGG
 CTCCAGGGACACCCACAGCCCAACGCCGTGAGTATCCCTGCTCCAGAGGAGCCTCACCTAAAGGCGGTG
 CGGCCCTATGCAGGGATGCCAAGGAAGTACTCTCCAGTTCTCCGGCCAGGCTCGCTACCGGGTGCCCC
 GAGAGATCCTCTTCTGGCTCACCCTGGTTTCCGTGTTCTGCTCATTGGAGCCACCATAGCCATCATCGT
 CATCTCTCCAAAATGCCTTGACTGGTGGCAAGCAGGTCCCATATACCAGATCTACCCGAGGTCCTTTAAG
 GACAGTGACAAGGATGGGAATGGAGACCTGAAAGGTATCCAGGAGAAGCTGGACTATATCACTGCTTTAA
 ACATAAAGACTCTTTGGATCACTTCCTTTTATAAATCATCTTTGAAAGACTTCAGATACGCTGTTGAGGA
 TTTCAAAGAAATTGACCCTATTTTTGGAACAATGAAAGATTTTGAGAATTTGGTTGCTGCCATCCATGAC
 AAAGGTTTAAATTAATAATTGATTTTCATACCAAACCACACTAGTGACAAACATCCTTGGTTCCAATCGA
 GTAGGACACGGAGCGGAAAATACACCGATTACTACATCTGGCACAACGTACCCATGTCAACGGTGAAC
 CACCCCTCCCAACAACTGGCTGAGTGTGTATGGAACTCCAGCTGGCACTTTGATGAAGTACGAAAGCAA
 TGTTATTTTACCAGTTTTTAAAGAGCAACCAGATTTAAATTTCCGAAATCCTGCTGTTCAAGAGGAAA
 TAAAGGAAATAATAACGTTCTGGCTCTCGAAGGGTGTGATGGGTTTAGTTTTGATGCAGTTAAATTTCT
 TCTGGAAGCGAAGGATCTGAGAAATGAAATCCAAGTGAATACATCCCAAATTCGGGACACCGTCACCCAC
 TACTCAGAGCTGTACCATGACTTCACCACAACCTCAGGTGGGAATGCATGCATCGTCCGAGACTCCGGC
 AGACCTGAACCAGTACAGCAGGGAGCCTGGCAGATACCGGTTTATGGGGCCGAAGCCTCAGCTGAGAG
 CATCGAGAGGACCATGATGTAATATGGCTTGCATTTATCCAGGAAGCCGACTTTCTTTCAACAAGTAC
 TTCACCACAATAGGCACTCTCTCTGGGCATACTGTCTATGAAGTTATCACATCCTGGATGGAAAACATGC
 CTGAAGGAAAAATGGCCCAATTGGATGACTGGCGGACCGGAGACTCCTCGGCTGACTTCTCGAGTAGGGAG
 TGAGTATGTCAACGCCATGCACATGCTCCTGTTACACTCCCGGGAACGCCCATCACTTACTATGGAGAG
 GAAATCGGGATGGGAGACATTTCCGTTACAAATTTCAACGAGAGCTATGATAGTACTACCCTTGTCTCCA
 AGTCACCGATGCAGTGGGACAATAGTTCCAATGCTGGGTTTACTGAGGCCAACACACCTGGCTACCCAC
 AAATCTGACTACCACACCGTCAATGTGGATGTCCAAAAGACCCAGCCGAGCTCAGCACTGAGGCTGTAT
 CAGGATCTGAGTCTACTCCATGCCACAGAGCTGGTCTCAGCCGGGGCTGGTTTTGCCTCTTGAGAGACG
 ACAGTCACTCTGTGGTGTACACAAGAGAGCTGGACGGCATAGATAACGTCTTCTCGTGGTTCTGAATTT
 TGGAGAATCATCAACTGTGCTAAATCTACAGGGGATCATTTAGATCTTCTCCAGAGCTGAGAATAAGG
 TTAAGTACCAACTCAGCCTCCAAAGGCAGTGTGTTGACACCCGTGCCATTTCTGAGAGAAGGGAGAGG
 GCCTGGTCTTGGAGCACAGCACGAAGGCTCCCTCCATCAGCAGGCCGCTTTCAGAGACAGATGCTTTGT
 TTCCAGTCGGGCGTGTACTCCAGTGCAGTGGACATCCTCTATAGCTCGTGTAGGAAGGAAGCTCCCTA
 AGAGATGGCCACCAGAACATCACGTACGCACAGGGCTGAGCAGACTCATGAATGGCATCAATTCTTAGA
 TATTTCTGTAGCAGCAATGCACTGTTTTTAAAGTGTAAAAGATTATGCCAAAATACTAAAGCATTTAA
 ATATGAAAAAAAAAAAAAAAAA

Restriction Sites: EcoRI-NotI

ACCN: BC013441

Insert Size: 2058 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: [BC013441](#), [AAH13441](#)

RefSeq Size: 2260 bp

RefSeq ORF: 2058 bp

Locus ID: 20532

Cytogenetics: 17 55.17 cM

Gene Summary: Involved in the high-affinity sodium-independent transport of cystine and neutral and dibasic amino acids (system B(0,+)-like activity). May function as an activator of SLC7A9 and be involved in the high-affinity reabsorption of cystine in the kidney proximal tubule. [UniProtKB/Swiss-Prot Function]