

Product datasheet for **MC216549**

Slc36a1 (NM_153139) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc36a1 (NM_153139) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc36a1
Synonyms:	5830411H19Rik; AI839897; Pat1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216549 representing NM_153139
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCCACACAGAGGCTTCGGAACGAAGACTATCATGACTACAGTTCCACAGACGTGAGCCCGAGGAGA
 GCCCATCTGAAGGCCTTGGCAGCTTCTCCCCGGCTCCTACCAACGCTTAGGAGAGAACAGTAGCATGAC
 ATGGTTCCAGACCCTGATCCACCTGCTGAAAGGCAACATTGGCACCGGACTGCTGGGGCTGCCTCTGGCA
 GTGAAGAACGCAGGCCTCCTGTTGGTCTCTCAGCCTGCTGGTATTGGTATCGTGGCCGTGACTGCA
 TGGGTATCCTGGTGAAGTGTGCTCATCACTTATGTCGTAGACTGAACAAACCTTTTTGGACTATGGGGA
 CACGGTATGTATGGACTAGAATGCAGCCCCAGCACCTGGGTCCGGAACCACTCCACTGGGGAAGGCGC
 ATCGTGGACTTCTCCTCATCGTCACTCAGCTGGGATTCTGCTGTGTCTACTTCTGTTTCTGGCGGACA
 ACTTTAAGCAGGTGATAGAGGCAGCCAATGGGACCACCACCAACTGCAACAACAATGTGACCGTGATCCC
 GACGCCACCATGGACTCTCGACTCTACATGCTCTCCTTCTGCCCTTCTGGTGTGTCTTTTCATC
 AGGAACCTGCGTGTGTTGTCCATCTTCCCTGCTGGCCAACATCAGCATGTTTCGTGAGCCTGATCATGA
 TATACCAGTTCATTGTCCAGAGGATCCCAGACCCAGCCACCTCCCTTGGTGGCTCCATGGAAGACCTA
 CCCTCTGTTCTTTGGCACAGCGATTTTTGCTTTTGAAGGCATTGGAGTGGTTCTACCCCTTGAGAACAAA
 ATGAAGGACTCACAGAAATTTCCATTGATTCTGTATTTGGGGATGGCTATCATCACTGTACTCTACATCA
 GCCTGGGGAGCCTGGGGTACCTGCAATTTGGAGCTAATATCAAGGGCAGCATCACCTCAACCTGCCAA
 CTGCTGGTGTACCAGTCGGTGAAGTGTGACTCCATAGGCATCTTCTCACCTATGCCCTCCAGTTC
 TATGTCGACAGTGAATCATATCCCGCCATTGTGTCCGAGTGCCTGAGCATTTCGAGCTGATGGTGG
 ACCTTTGTGTGCGCACCCCATGGTCTGTGTGACATGTGTGCTGGCCATCCTCATCCACGCCTGGACCT
 GGTCATCTCCCTGGTGGGCTCTGTGAGCAGCAGCGCCCTGGCCCTCATCATCCCGCCCTGCTGGAGGTG
 GTCACCTACTATGGAGAGGGCATTAGCCCCGTGACCGTACCAAGGATGCCCTCATCAGCATCCTGGGCT
 TCGTGGGCTTCGTGGTGGGGACCTACGAGTCTCTGTGTGAGCTGATCCAGCCAAGCCATAGCGACTCCTC
 TACCAATTCCACCAGTGCCTTCAT**TAA**

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_153139

Insert Size: 1428 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_153139.4](#), [NP_694779.3](#)

RefSeq Size: 5280 bp

RefSeq ORF: 1428 bp

Locus ID: 215335

UniProt ID: [Q8K4D3](#)

Cytogenetics: 11 B1.3

Gene Summary: Neutral amino acid/proton symporter. Has a pH-dependent electrogenic transport activity for small amino acids such as glycine, alanine and proline. Besides small apolar L-amino acids, it also recognizes their D-enantiomers and selected amino acid derivatives such as gamma-aminobutyric acid.[UniProtKB/Swiss-Prot Function]