

Product datasheet for **MC216570**

Slc36a2 (NM_153170) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc36a2 (NM_153170) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc36a2
Synonyms:	A530067G19Rik; PAT2; Tramd1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216570 representing NM_153170
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCTGTGACCAAGAGTGCCAGGAGTCCGCAGGTAGCCACCCTCTCAATCTGGACCTTCTGAGAGTG
CCAAGAAGCTGCAGAGCCAGGATCCAGTCCAGCGAATGGGAGCTTTCAGAGTCATCAAAGAAGACCAA
GGGCATAACCGGTTCCAGACATTGGTTTCATCTGGTCAAAGGCAACATGGGCACAGGGATCCTCGGACTT
CCCCTGGCTGTGAAGAATGCGGGCATCTTGATGGGCCACTCAGCTTGCTGGTAATGGGCCTCATCGCT
GCCACTGTATGCACATCCTAGTCAGATGTGCCAGCGCTTCTGTACAGACTGAACAAGCCTTTCATGGA
CTATGGGGACACAGTGATGCACGGACTGGCTTTCAGTCCCAATGCCTGGCTGAAAACCACGCCACTGG
GGGAGGCGTGTGAGCTTCTCCTCATCGTACCCAGCTGGGTTTCTGCTGTGTGTACATTGTGTTTC
TGGCGGACAATTTAAACAGGTAGTAGAAGCTGTTAACAGCACACCATCAGCTGCCACAAGAACGAGAC
GGTAGTTCGACGCCACCATGGACTCTGACTCTACATGCTCTCCTTCTGCCGTTCTGGGGCTTCTG
GTGTTCTGTCAGGAACCTGCGTGTCTCACCATCTTCTCCCTGCTGGCCAACATCAGCATGCTGGTCAGCC
TGTCATCATTGCCAGTACATCATCCAGGAAATTCAGATGCCAGCCAGTTGCCACTGGTAGCAAGCTG
GAAGACCTACCCGCTCTTCTTTGGAACAGCCATTTTTTTCATTTGAAAGCATCGGTGTGGTCTGCCTCTG
GAAAACAAGATGAAGGATGCCCGCGGCTTCCCAACCATTCTGTCTTTGGGGATGTCCATCATCACCACCC
TGTACATTGCTATCGGGGCTCTGGGCTACCTGCGGTTTGGAGATGACATCAAAGCCAGCATCACTCTTAA
CCTGCCAACTGCTGGCTGTACCAATCAGTCAAGCTCCTGTATGTCGTCGGTATCCTGTGTACCTATGCC
CTGCAGTCTACGTCCTCGGAAATCATATCCCCCTTGCTGTCTCAGGTGTCAAACGCTGGGCAC
TGCCCGTGGACCTGTCTATCCGGCTTCCCTGGTCCCTCACATGCATGCTGGCCATCCTCATCCCACG
CCTGGACCTGGTCTCCTCGTGGGCTCTGTGAGCAGCAGCGCCCTGGCCCTCATATCCCGCCCTG
CTGGAGGTGGTCACTACTATGGAGAGGCAATAGCCCCCTGACCGTCACCAAGGATGCCCTCATAGCA
TCTGGGCTTCTATGGGCTTGTGGTGGGACCTACCAGGCCCTGGATGAGCTGATCAAGTCCGGGAACCT
TCCCGCCTGTCCAACCTCACCATGTTTATT**CAGTGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_153170

Insert Size: 1437 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_153170.3](#), [NP_694810.2](#)

RefSeq Size: 2431 bp

RefSeq ORF: 1437 bp

Locus ID: 246049

UniProt ID: [Q8BHK3](#)

Cytogenetics: 11 B1.3

Gene Summary: Involved in a pH-dependent electrogenic neuronal transport and sequestration of small amino acids amino acids such as glycine, alanine and proline. Inhibited by sarcosine.
[UniProtKB/Swiss-Prot Function]