

Product datasheet for **RN211366**

Slc36a2 (NM_139339) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc36a2 (NM_139339) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc36a2
Synonyms:	Pat2; Tramd1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN211366 representing NM_139339

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGCTGTGACCAAGAGTGCCGGGAGTCCGCAGGTGGCTGCCACTGTCAAGCTGGACCTTGTGTCGTTTC
CTGAGAGTGCCAAGAAGGTGCAGAGCCAGGATCCCAATCCAGTGAATGGGAGCTCTTCAGAGTCGTGAGA
GAAGACCAAGGGCATTACAGGGTTCCAGACATTGGTTCATCTGGTCAAAGGCAACATGGGCACAGGGATC
CTGGGACTYCCCCTGGCTGTGAAGAATGCGGGCATCTTGATGGGCCCACTCAGCTTGCTAGTGATGGGCC
TCATCGCCTGCCACTGTATGCACATCCTAGTCCGATGTGCCAGCGCTTCTGTACAGACTCAACAAGCC
TTTCATGGATTATGGAGACACAGTGATGCATGGACTGGCTTCCAGTCCCAACACCTGGCTGCAAAGCCAC
GCCCACTGGGGAGGCATGCTGTGAGCTTCTTCTCATCGTCACACAGCTGGGTTTCTGCTGTGTGTACA
TCGTGTTTCTGGCGACAATTTAAACAGGTAGTAGAAGCTGTTAACAGCACAACCATCAGCTGCCACAA
GAACGAAACGGTAGTTCTGACGCCCACCATAGACTCTCGACTCTACATGCTCGCCTTCTGCCCGTCCTG
GGGCTTCTGGTATTCATCAGGAACCTCCGCGTCTCACCATCTTCTCCCTGTTGGCCAACGTCAGCATGC
TGGTCAGCCTGGTCATCATTGGCCAGTACATCATCCAGGGAATCCAGATCCCAGCCAGTTGCCACTGGT
AGCAAGCTGGAAGACCTACCCGCTCTTCTTTGGAACAGCCATTTTTCATTGAAAGCATCGGCGTGGTG
CTGCCTCTGGAACAAGATGAAGGATGCCCGCGCTTCCCAACCATCTGTCTTTGGGAATGTCCATCA
TCACCACCCTGTACATTGCCATCGGGGCTCTGGGCTACCTGCGGTTTGGAGACGACATCAAAGCCAGCAT
CACTCTTAACCTGCCAACTGCTGGCTGTACCAGTCAGTCAAGCTCCTGTATGTCGTGCGCATCCTGTGT
ACCCATGCCTTGCACTTCTACGTCCTCGGAAATCATCATCCCCTCGTGTCTCCAGGTGTCAAAC
GCTGGGCACTGCCTGTGGACCTGCCATCCGGCTCGCCCTGGTCTGCGTCACATGCATGCTGGCCATCCT
CATCCCCCGCCTGGACCTGGTCCTCTCCCTGGTGGGCTCTGTGAGCAGCAGTGCCCTGGCCCTCATCATC
CCGCCCCCTGCTGGAGGTGACCACCTACTATGGAGAGGGCATGAGCCCCCTGACCATCACCAGGATGCC
TCATCAGCATCCTGGGCTTCTGGGATTTGTGGTGGGACCTACCAGGCCTGGATGAGCTGATCAGGTC
CGGAACAGTCTCCCCTGTCCAACCTCCACTATGTTTATTCAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_139339

Insert Size:

1446 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:	<u>NM_139339.1, NP_647555.1</u>
RefSeq Size:	2436 bp
RefSeq ORF:	1446 bp
Locus ID:	246235
UniProt ID:	<u>Q8K415</u>
Cytogenetics:	10q22
Gene Summary:	regulates pH-dependent, Na(+)-independent uptake of glycine, proline, and alpha(methyl)aminoisobutyric acid (MeAIB) [RGD, Feb 2006]