

Product datasheet for **MC217064**

Slc36a4 (NM_172289) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc36a4 (NM_172289) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc36a4
Synonyms:	6330573I15Rik; PAT4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217064 representing NM_172289
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGAAGCGCCGGCGCCGGCGGAGACGGCGGGATGCGAGGAGCTCGATATGGACGTGATGAGGCCCTTAA
TAAACGAGCAGAATTCGATGGGTCTCCGACGAGGAGCAGGAACAGACGCTTGTGCCCATACAGAAGCA
CTACCAGCTCGATGGGCAGCACGGGATTCGTTCTGCAGACCTTGGTGCATCTTCTCAAGGGGAACATC
GGGACTGGCCTTTTAGGGCTCCCCTTGGCTATAAAGAACGCGGGCATCGTCTGGACCAATCAGCCTTG
TGTTTATAGGAATTATTTCCGTCCACTGTATGCACATATTGGTACGTTGCAGTCACTTTCTATGTCAGAG
GTTTAAGAAGTCAACATTGGGGTACAGTGACACCGTGAGTTTTGCCATGGAGGCTAGTCCGTGGAGTTGC
CTTCAGCGACAGGCAGCATGGGGCGGAGCGTGGTCGACTTCTTCTGGTGATAACAGCTGGGATTCT
GCAGCGTCTACATTGTCTTCTTAGCTGAGAATGTGAAACAGGTTTCATGAAGGATTCCTGGGAGCAGGCC
GATTGTTTCAAATGGCTCGGACCTGTCTCATGCCTGTGAGAGAAGAAGTGTGGACCTCAGGGTCTATATG
CTCTGCTTCTCCCACTTATAATTCTCTTGGTCTTCATTCGCGAGCTGAAGAATCTCTTTGACTTTTCAT
TCCTTGCCAACATTTCCATGGCTGCCAGTCTTGTGATAATTTACCAAGTATGTTGTTAGGAACATGCCAGA
TCCCCACAACCTTCCAATAGTGGCCGGCTGGAAGAAATACCCACTGTTTTTGGCACTGCTGTGTTTGCT
TTTGAAGGCATAGGAGTGGTGTCTACCACTGGAAAACCAATGAGAGAGTCCAAACGCTTCCCTCAGGCAT
TGAACATCGGCATGGCCATCGTCACCGTGTGTACATCAGCCTAGCCACTTAGGCTACATGTGTTTCCG
TGACGAGATCAAAGGCAGCATTACACTGAATCTTCCCAGGACATGTGGTTGTATCAGTCAGTGAATTTAG
CTGTATTCCTTTGGCATTGTTGTGACCTATTCAATTCAGTCTATGTCCCAGCAGAGATCATTATCCCTG
GAGTCACTGCTAGACTTTCATGCCAAATGGAAGCGCATTGTTGAATTTGGGATACGGTCCCTTTGGTTAG
TATCACCTGTGCTGGGGCGATTCTCATTCTCGCCTAGACATTGTGATCTCCTTGGTGGGGCTGTGAGC
AGCAGTACACTAGCCCTGATCCTGCCCCCACTTGTGGAATCCTTACATTTTCTAAGGACCACTACAACA
TATGGATGATCCTGAAAAACATTTCCATAGCGTTCAGTGGAGTCGTGGGCTTCTTGTGGGCACCTATGT
CACTGTTGAAGAAATATTTATCCGACTACGGCAGTTGTTGCTGGCACCTCCAGAGTCCCTTTCTGAAT
GTGAACCTACATGCATAACAAGTGGTTGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_172289

Insert Size: 1503 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_172289.4](#), [NP_758493.2](#)

RefSeq Size: 1937 bp

RefSeq ORF: 1503 bp

Locus ID: 234967

UniProt ID: [Q8CH36](#)

Cytogenetics: 9 A2

Gene Summary: Functions as a sodium-independent electroneutral transporter for tryptophan, proline and alanine.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.