

Product datasheet for **MC219994**

Slc6a14 (NM_020049) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc6a14 (NM_020049) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc6a14
Synonyms:	1110007A17Rik; 9030613J17Rik; ATB0plus; CATB0plus
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219994 representing NM_020049
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACAGATTGAAGTGCCGAACCTTCTCAAGTGCAGACAGAAGGAGAAAAGTGACAGCTTCATCCGAGA
 ACTTCCATGTTGGTGAAAATGATGAAAATCAGGAACGTGGTAAGTGGTCCAAAAAGTCAGATTATCTTCT
 TTCCATGTTGGCTATGCAGTGGGATTGGGCAATGTGTGGAGATCCCATATCTGACCTACACCAATGGC
 GGAGGTGCTTTCTTGATACCCTATGCAATCATGCTAGCATTGGCTGGTCTGCCTTTGTTCTTTCTGGAAT
 GTTCACTGGGACAATTTGCTAGCTTAGGTCCAGTTTCAGTTTGGAGGATTTGCCACTGTTTCAAGGTGT
 GGGAAATCACGATGGTCTGATATCCGTTTTTGTGGCAATCTATTATAATGCATAATTGCCTACAGCCTT
 TACTACTGTTTCTTTTCAAAGTGTATTGCCGTGGGCAAATGTTCTTCTGGGCAGACGAAAAC
 GTAGCAGAACACCAATAGTAAGTGGCTGTAATGTGAGCATAGGGGCAGGAGAGATGTTTATGAATATAAG
 CTGGGTAATACCAACAATCTCACCTGCTGAATGGTAGTGAAGTTTTTCGGCCAGGACAACCTCCAGT
 GAACAGTATTGGGATAAAGTGACACTTCAGAGGTCAAGTGAATGGATGAAACTGGAGTTGTTGTGTGGT
 ATTTAGCACTTTGCCTTCTTCTGGCTTGGCTCATAGTTGGAGCAGCACTGTTTAAAGGAATCAAATCCTC
 TGGCAAGGTGGTATATTTACAGCTTTTTCCCATATGTGGTCTTCTCATTCTGTTAATACGAGGTGCA
 ACTTTGGAGGGTGCATCAAAGGCATTTTCATATTACATTGGAGCAGCTCAAATTTTACAAAACCTAAGAG
 AAGCTGAGGTCTGGAAGGATGCTGCCACTCAGATATTTTATCCCTTTCTGTGGCTTGGGGTGGCCTAGT
 GGCTCTGCATCTTACAACAAGTTCAACAACAAGTGTACTCTGATGCCATTATAGTTTGGCTTGACAAAC
 TGCCCTACTAGTGTGTTGTGGATTGCTATATTTTCTATTCTGGGACACATGGCTCATATATCTGGAA
 AAGAAGTCTCTCAAGTTGAAAAATCAGGATTTGACTTGGCATTTCCTATCCTGAAGCTCTAGCTCA
 ACTCCCAGCTGGTCCATTCTGGTCCATATATTTTTCTTCATGCTTTTAAACATTGGGCCTTGATTCTCAG
 TTTGCTTCTATTGAAACAATTACAACAACATTTCAAGATTTGTTTCCCAAAGCAATGAAACGCATGAGGG
 TTCCTATAACTTTGGGATGCTGCTTGTATTTGTTTCTCCTTGGCCTCCTGTGTGACTCAGGCTGGAAT
 TTAAGTGGTTCATTTGATTGATCACTTCTGTGCTGGATGGGGAATTTAATTGCTGCTATCTTGAAAT
 GCAGGAATCATCTGGATTTATGGAGGAAATAGATTCATTGAAGATATAGAAATGATGATTGGAGCAAAAA
 GATGGATATTCTGGCTTTGGTGGAGAGCTTGTGGTTTGTCACTCCTATTCTGTTGTCTGCAATTCT
 AGTCTGGTCACTGGTAAATTTACAGACCTGATTATGCTGATATCCATATCCTGACTGGGGAGTTGCT
 CTTGGCTGGTGTATGATCATTTTCTGCATTATTTGGATACCAATTATGGCTATCATAAAAAATAGTTCAGG
 CAGAAGGAAACATACTTCAGCGTATCATAAGCTGCTGTAGACCAGCTTCAACTGGGGTCCATACCTGGA
 AAAACATCGTGGGGAGAGATACAGAGACATGGCTGAACCTGCAAAGGAGACTGACCACGAAATACCTACT
 ATTAGTGGCAGTACAAAACCAGAA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_020049
- Insert Size:** 1917 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_020049.4](#), [NP_064433.3](#)

RefSeq Size: 3433 bp

RefSeq ORF: 1917 bp

Locus ID: 56774

UniProt ID: [Q9JMA9](#)

Cytogenetics: X A2

Gene Summary: Mediates the uptake of a broad range of neutral and cationic amino acids (with the exception of proline) in a Na(+)/Cl(-)-dependent manner.[UniProtKB/Swiss-Prot Function]