

Product datasheet for **MC219956**

Slc22a14 (NM_001037749) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc22a14 (NM_001037749) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc22a14
Synonyms:	Gm1128
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219956 representing NM_001037749
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGGAAGACCAGAACTACAAGACAGCATTCCGATCCCAGAATTCCAGGGACACACACCGGCATGAGA
 TTTCTTTCCCTCACAGAACTGGTCCTTGGAGATGCTGCTACGCAGATTGAAGGCCATAGATGCCAGGAG
 GGATGACAAGTTTGCCAGTGTTATGGATGCCATTGGGGAATTTGGCACATTCCAGTGAGGCTGGTGGTC
 CTCACCTTCATCCCCAGCATCCTGTCAACCTTCTTCATATTCTCTCATCACTTCTTGCTCACAGCTCAGA
 GGCCCTACTGTAACACCAGCTGGATCCTGGAAGTGGGCCCAATCTCACAGAGGATGAGCAGCTGAACCT
 GACCCTGCCCCGAGCACCAATGGCAGCTTTCTGACGTGCCTCATGTATACCTGTGCCATGGGACCTA
 GACTCTATCATCCACTTCGGCCTCAATTATACAGAAACATGCAAATTCGGGTGGATCTACCTTTTGCTC
 ACACCCGTTCTGATCAATGAGTTTGACCTGGTATGTGGCAACGAACCAACAAGGAAAACGGGCTGAC
 TGTGTTCTGTGAGCGCTTGGACAGGCTCTTCTCTTCGGGTTCTTAAGTGACAAGTTGGGCCGCTAT
 CCAATCATCCTGTGCTGCTGGGGTTCCTCATCTTTGGCTTCGGAACAGCCTTTGTGAGCAGCTTTT
 ATCAATATCTGTTCTTCCGCTTTTTTGTGGCCAGGCCTCCGTGGGCTATGCCATCTGCAGTGTATCTTT
 AGTCATGGAGTGGCTGGTGGGCGAGCACCGCGCTCAAGCCGTCATCCTGCAGCACAGCTTCTCACCATA
 GGGGTCATACTCTGACGGGGCTGGCTTACAAAGTCGTCCTGAGACTGCTGTGCCTGCTGGGCGGCA
 TGCCCATGTTTCCCTTATCTGCAATATCTGGGTTCTCCGAGAGTCCCCACGATGGCTGATGGTGAGAGG
 CAAGGTGGAAGAAGCTAAGAAGTCTGTGCTATGCAGCTGAGGTGAACAAGAAGACCATCCCTTTAAAT
 CTACTCAATGAGCTACAGATTTAGGAAAGAAAGTGGCAAAGGCTCTATCTTGGACTTCTGTACCAATC
 AGCACCTCTTCAAGTGGTCTTGGCCATTGGCTGTGTGGTTTACCGTCAGTTACATCAGTTTTACACT
 GAACCTCAAGATGAACGACTTTGGGCTGGACGTCTACTTCGTACAAATGGTCCGGAGCATAGTGGCAGTG
 CCAGCCCGGCTGTGTTGTATCATTCTCCTGGAGTATTTGGGAGGAAGTGGGCCTTAAACCTGACTCTCT
 TCCTAGTTACCTCCATGTGTTTGTCTCTTTTCTCCCCAAGAGCCGAAAGTGCACAATAATCCTGAC
 GCTCATGCTTGCAGAGTTCAGCATGGCTGGCACTCTCTATATTCTTTATCTACTGCAGAGCTTCTC
 CCCACAGTCTCAGGTCTACAGTCTGGGAATGGTGTCTCTAGCCTGGTGGCTGGAGCCATCTCATCTG
 TGGCCATCTTCAAACAGACCAAAACACAGCTGCCATCTTCTTCTGTGTCTGTGCTGCGTATTGGCCTT
 GTGCTTCTCTCCCTGGTACCAGAAACGGGAAGCCAGTCTCTCCGTGACAGCATAGAGTACAATATAAGA
 GATTCTATTGAGCCAAGGATAGAAATAAGGATGTTCCATGGTATAGCTGAGGAGTGCATGTCTGACA
 TTGTGGCTGATTCTGAAGTGACAAATACCACGCTCAATGCCGTGACTTTCAAGCCAGAAGAAAATAGCCT
 CCTCAACATGACCTTGGAGGTACCCAAGATGGACTTACCAGTCCAGTCCCTTAAGGCCAGCCTCCCT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001037749

Insert Size: 1890 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_001037749.2](#), [NP_001032838.1](#)

RefSeq Size: 2229 bp

RefSeq ORF: 1890 bp

Locus ID: 382113

UniProt ID: [Q497L9](#)

Cytogenetics: 9 F3

Gene Summary: Essential for male fertility, sperm motility and normal sperm flagellar structure.
[UniProtKB/Swiss-Prot Function]