

Product datasheet for **MC219932**

Slc6a8 (NM_001142810) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc6a8 (NM_001142810) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc6a8
Synonyms:	AA589632; Creat; CRT; CRTR; CT1; CTR5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219932 representing NM_001142810
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGAAAAAGAGCGCTGAAAACGGTATCTATAGCGTGTCTGGTGACGAGAAGAAGGGTCTCTCATCG
 TGTCGGGCCCGACGGTGCCCCAGCCAAGGGCGATGGCCCTGCGGGCCTGGGGCCGCTGGCGGCCGCT
 TGCAGTGCCACCGCAGAGACTTGGACACGCCAGATGGACTTCATCATGTCGTGCGTGGGCTTCGCCGTG
 GGCTCGGTAACGTGTGGCGCTTCCCCTACCTGTGCTACAAGAACGGCGGAGGTGTTCCTTATCCCT
 ATGTCCTGATTGCCCTGGTTGGAGGAATCCCCATTTTCTCTGGAAATCTCATTGGGCCAGTTCATGAA
 GGCCGGCAGCATCAATGTCTGGAACATCTGTCCCCTATTCAAAGGTCTGGGCTATGCCTCCATGGTATT
 GTCTTCTACTGCAACACTTACTACATCATGGTGTGGCTGGGGCTTCTATTACCTGGTCAAGTCCTTTA
 CTACCACCTTGGCATGGCTACATGTGGCCACACCTGGAACACTCCTGACTGTGTGGAGATCTTCGCCCA
 TGAAGACTGTGCAATGCCAGCCTGGCCAACTCACATGTGACCAGCTTGTGACCGCCGGTCCCCTGTC
 ATCGAGTTCTGGGAGAACAAGTATTGAGGCTCTCCACGGGGCTGGAGGTTCCAGGAGCCCTCAACTGGG
 AGGTGACCTTGTGCCTGTGGCCTGCTGGGTGCTGGTCTACTTCTGTGTGTGGAAGGGGGTCAAGTCAAC
 AGGAAAGATCGTGTACTTCACTGCTACATTCGCCCTACGTGGTCCCTCGTTGTGCTGCTGGTGGAGGGGTG
 CTGCTGCCTGGAGCCCTGGATGGTATCATCTACTATCTCAAGCCTGACTGGTCAAAGCTAGGGTCCCCTC
 AGGTATGGATAGATGCTGGGACCCAGATTTTCTTCTTATGCCATAGGCCTGGGGGCCCTCACAGCCCT
 AGGCAGCTACAATCGCTTCAACAACAACCTGCTACAAGGATGCCATCATCTGGCACTCATCAACAGCGGG
 ACCAGCTTCTTTGCTGGCTTTGTGGTCTTCTCCATCCTGGGCTTTCATGGCCACAGAGCAGGGTGTGCATA
 TCTCCAAGGTGGCAGAATCAGGGCCTGGTCTAGCCTTCAATGGCTACCCACGGGCTGTCACTGATGCC
 TGTGGCCCCACTCTGGGCTGCCTTGTCTTCTTATGCTGCTGCTGCTCGGTCTGGACAGCCAGTTTGTA
 GGTGTGGAGGGCTTCAATACCGGCTCCTGGATCTCCTCCCGCCCTCCTACTACTTCCGTTTCAAAGGG
 AGATCTCCGTTGCTCTGCTGCGCCCTGCTTTGTCATCGATCTCCATGGGTGGAATGTACGCTCT
 CCAGCTATTTGACTACTACTCAGCTAGTGGCACTACCCTGCTTTGGCAAGCCTTTTGGGAGTGTGATGTT
 GTGGCTTGGGTTTATGGAGCTGACCGCTTCATGGATGACATTGCCTGTATGATTGGGTACCGACCTTGC
 CCTGGATGAAATGGTGTGCTCCTTCTCACCCATTGGTCTGCATGGGCATCTTCACTTCAACATTGT
 GTACTACGAGCCACTGGTCTACAACAACACCTACGTGTACCCATGGTGGGGTGAAGCTATGGGCTGGCC
 TTTGCACTCTTCTATGCTATGTGATCCCTCCACCTCCTGGGCTGTCTCCTCAGGGCAAAGGAACCA
 TGGCAGAGCGATGGCAGACCTGACCCAGCCTATCTGGGGCCTCCATCACTTGAATACAGAGCTCAGGA
 TGCAAGATGTCAGGGCCCTGACCACCTGACTCCCGTGTCCGAGAGCAGCAAGGTCGTCGTGGTGGAGAGT
 GTCATG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001142810
- Insert Size:** 1899 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_001142810.1](#), [NP_001136282.1](#)

RefSeq Size: 3968 bp

RefSeq ORF: 1899 bp

Locus ID: 102857

UniProt ID: [Q8VBW1](#)

Cytogenetics: X 37.38 cM

Gene Summary: Required for the uptake of creatine. Plays an important role in supplying creatine to the brain via the blood-brain barrier.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (3) uses an alternate in-frame splice site in the central coding region, compared to variant 2. The resulting isoform (3) is shorter, compared to isoform 1.