

Product datasheet for **RN200565**

Slc6a8 (NM_017348) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc6a8 (NM_017348) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc6a8
Synonyms:	CHOT1; CHT1; CRT; CT1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200565 representing NM_017348
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGAAGAAGAGCGCTGAAAACGGTATCTATAGCGTGTCTGGAGACGAGAAGAAGGGTCTCTCATCG
 TGTCGGGCCCGATGGTGCCCCGTCCAAGGGCGATGGCCCTGCGGGCCTGGGGGCCCCAGCAGCCGCCT
 TGCTGTGCCGCCGCGAGAGACTTGGACACGCCAGATGGACTTCATCATGTCGTGCGTGGGCTTCGCCGTG
 GGCTCGGTAACGTGTGGCGCTTCCCCTACCTGTGCTACAAGAACGGCGGAGGTGTTCCTTATCCCT
 ATGTCCTGATTGCCCTGGTTGGAGGAATCCCCATTTTCTCTGGAAATCTCACTGGGCCAGTTCATGAA
 GGCCGGCAGCATCAATGTCTGGAACATCTGTCCCCTATTCAAAGGTCTGGGCTATGCCTCCATGGTGATT
 GTCTTCTACTGCAACACTTACTACATCATGGTGTGGCCTGGGGCTTCTATTACCTGGTCAAGTCCTTTA
 CTACCACCTTGGCATGGGCTACGTGTGGCCACACCTGGAACACTCCTGACTGTGTAGAGATCTTCGCCA
 TGAAGACTGTGCCAATGCCAGCTTGGCCAACTCACATGTGACCAGCTTGTGACCGACGGTCCCCTGTC
 ATCGAGTTCTGGGAGAACAAGTCTTGAGGCTCTCCACAGGGCTGGAGGTTCCAGGAGCCCTCAACTGGG
 AAGTGACCCTGTGCCTGTGGCCTGTGGTGTGGTCTACTTCTGTGTGTGGAAGGGGGTCAAGTCAAC
 AGGAAAGATCGTGTACTTCACTGCTACATTCGCCCTACGTGGTCCCTCGTTGTGCTGCTGGTGGAGGGGTG
 CTGCTGCCTGGAGCCCTGGATGGTATCATCTACTATCTCAAGCCTGACTGGTCAAAGCTAGGGTCCCCTC
 AGGTATGGATAGATGCTGGGACCCAGATTTTCTTCTTATGCCATCGGCCTGGGGGCCCTCACAGCCCT
 AGGCAGCTACAATCGCTTCAACAACAATGCTACAAGGATGCCATCATCTGGCACTCATCAACAGCGGG
 ACCAGCTTCTTTGCTGGCTTTGTGGTCTTCTCCATCCTGGGCTTCATGGCCACAGAGCAGGGTGTGCATA
 TCTCCAAGGTGGCAGAATCAGGGCCTGGTCTAGCCTTCATTGCCCTACCCACGGGCTGTCACTGATGCC
 TGTGGCCCCACTCTGGGCTGCCTTGTCTTCTTTCATGCTGCTGCTCGGTCTGGACAGCCAGTTTGTA
 GGTGTGGAGGGCTTCATCACTGGGCTCCTGGATCTCCTCCCGCCCTCCTACTACTTCCGTTTTCAAAGGG
 AGATCTCCGTGGCCCTCTGTTGTGCCCTGTCTTGTGCATCGATCTCCATGGTACTGATGGCGGGAT
 GTACGTCTCCAGCTGTTTGACTACTACTAGCTAGTGGCACTACCCTGCTTTGGCAAGCCTTTTGGGAG
 TGTGTGGTGGTGGCTTGGGTTTATGGAGCTGACCGCTTCATGGACGATATTGCCTGTATGATTGGGTACC
 GACCTTGCCTTGGATGAAATGGTGTGGTCTTCTTACCCCACTGGTCTGCATGGGCATCTTCATCTT
 CAATGTTGTGTACTACAAGCCACTGGTCTACAACAATACCTACGTGTACCCATGGTGGGGTGAAGCTATG
 GGCTGGGCCCTTGCCTCTTCTATGCTCTGTGTGCCCTCCACCTCCTGGGCTGTCTCCTCAGGGCAA
 AAGGAACCATGGCAGAGCGATGGCAGCACCTGACCCAGCCTATCTGGGGCCTCCATCACTTGAATACAG
 AGCTCAGGATGCAGATGTCAGGGGCTGACCACCTGACTCCCGTGTCCGAGAGCAGCAAGGTCTGTCGTG
 GTGGAGAGTGCATG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_017348
- Insert Size:** 1908 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_017348.2](#), [NP_059044.1](#)

RefSeq Size: 3910 bp

RefSeq ORF: 1908 bp

Locus ID: 50690

UniProt ID: [P28570](#)

Cytogenetics: Xq37

Gene Summary: high-affinity widely expressed sodium-dependent creatine transporter [RGD, Feb 2006]