

Product datasheet for **RN214408**

Slc25a25 (NM_145677) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc25a25 (NM_145677) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc25a25
Synonyms:	Mcsc; Pcscl
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN214408 representing NM_145677
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTCTGCCTGTGCCTGTATGTGCCCATCGCTGGAGAGGCTCAGACTGAATTCCAATACTTTGAGTCCA
 AGGGGCTTCCCACCGAGCTGAAATCCATCTTCAAACCTCAGTGTCTTTATCCCCTCTCAGGAGTTCTCCAC
 ATACCGCCAATGGAAGCAGAAAATTGTGCAAGCAGGTGACAAGGACCTTGATGGGCAACTGGACTTCGAA
 GAGTTTGTACATTACCTCCAAGACCATGAGAAAAAAGTGGGCTGGTGTAAAGAGTCTGGACAAAAAGA
 ATGATGGGCGAATCGATGCTCAGGAGATCATGCAGTCCCTGCGGGATCTGGGTGTCAAGATCTCTGAACA
 GCAGGCGGAGAAGATTCTTAAGAGCATGGATAAGAATGGGACAATGACCATCGACTGGAACGAGTGGAGG
 GACTACCACCTCTGCACCCTGTGGAGAACATCCCTGAGATCATCCTGTACTGGAAGCACTCGACGATCT
 TCGATGTTGGTGAGAATCTGACAGTCCCAGATGAGTTCACAGTGGAGGAGAGGCAGACAGGGATGTGGTG
 GAGGCACCTGGTGGCAGGAGGTGGTGCAGGGCCAGTTCCAGAACCTGCACTGCCCCCTGGACAGACTG
 AAGGTGCTCATGCAGGTCCATGCCTCCCGCAGCAACAACATGTGCATCATAGGTGGATTCACACAGATGA
 TTCGAGAAGGGGGCGCCAAGTCCCTCTGGAGGGGCAATGGCATCAATGTCTCAAATGGCCCTGAGTC
 AGCCATCAAGTTCATGGCATATGAGCAGATGAAACGCCTTGTGGTAGTGATCAGGAGACGCTGAGGATC
 CACGAAAGGCTAGTGGCAGGCTCCTTGGCTGGGGCCATTGCCAGAGTAGCATCTACCCAATGGAGGTTC
 TGAAGACCCGAATGGCCCTGCGGAAAACAGGCCAGTACTCGGGAATGCTGGACTGTGCCAAGAGGATCCT
 GGCTAAGAGGGTGTGGCTGCCTTCTATAAAGGCTACATCCCAACATGCTGGGGATCATCCCGTATGCG
 GGCATCGATCTAGCTGTCTATGAGACATTGAAAAATACCTGGCTACAGCGCTATGCTGTAACAGTGCAG
 ACCCTGGCGTGTGTTCTCCTGGCCTGTGGCAAACTCCAGTACCTGTGGCCAAGTGGCCAGCTACCC
 ACTAGCCCTGGTCAGGACTCGGATGCAGGCACAAGCCTCCATTGAGGGTGCACCTGAGGTAACCATGAGC
 AGCCTTCTCAAACAGATTCTGCGGACTGAGGGGGCCTTTGGGCTCTACCGGGGGCTGGCCCCCAACTTCA
 TGAAGGTGATTCCAGCTGTGAGCATCAGCTACGTGGTCTACGAGAACCTGAAGATCACCTGGGCGTGCA
 GTCTCGG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_145677

Insert Size: 1410 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_145677.1](#), [NP_663710.1](#)

RefSeq Size: 3150 bp

RefSeq ORF: 1410 bp

Locus ID: 246771

UniProt ID: [Q8K3P6](#)

Cytogenetics: 3p11

Gene Summary: member of the mitochondrial calcium dependent solute carrier family; may play a role in hepatocyte differentiation and function [RGD, Feb 2006]