

Product datasheet for **RN207318**

Slc7a5 (NM_017353) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc7a5 (NM_017353) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc7a5
Synonyms:	E16; TA1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN207318 representing NM_017353
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGTGCGGGCGCAAAGCGGCGCGGTTGCGGCCCGCGACGACGGCGGGAGGAGAGCGGC
 AGGCGCGGAGAAGATGCTGGAGGCGCGGCGGGACGCGCGGACCCGAGGGCGAAGGCGTGACCCCT
 GCAGCGCAATATCACACTGATCAATGGTGTGGCCATCATAGTGGGACCATCATCGGTTCCGGCATCTTC
 GTGACGCCACCGCGTCTCAAGGAAGCCGGCTCGCCCGGACTGTCGCTTGTGGTGTGGCTGTGTGCG
 GCGTCTTCTCCATCGTGGGCGCACTGTGCTACGCGGAGCTGGGCACTACCATCTCAAAGTCAGGCGGCGA
 CTATGCCTACATGCTAGAGGTCTACGGCTCGTGCCTCCGCTTCTCAAGCTCTGGATCGAGCTGCTCATC
 ATTCGGCCCTCTCACAGTACATCGTGGCGCTGGTCTTCGCCACATACCTGCTCAAGCCGGTCTTCCCA
 CTTGTCCCGTCCCGAGGAGGCTGCCAAGCTCGTGGCTGCCTCTGCGTGTACTACTCACGGCTGTGAA
 CTGCTACAGTGTGAAGGCTGCTACCCGTGTGCAGGATGCCTTTGCGGCTGCCAAACTGCTGGCCCTGGCC
 CTATCATCTCTGCTCGGCTTCATCCAGATGGGAAAGGACATAGGACAAGGGGATGCATCCAACCTGCACC
 AGAAGTTGTCCTTTGAAGGCACCAATCTGGACGTGGGGAACATTGTGTTGGCATTGTACAGTGGCCCTCT
 CGCCTACGGAGGATGGAATATCTGAATTTTGTACGGAGGAGATGATCAACCCCTACAGGAACCTCCCT
 CTGGCCATCATCATCTCCTTGCCATTGTACCCTGGTCTATGTGCTGACGAACCTGGCCTACTTCACTA
 CCCTGTCTACCAACCAGATGCTGACATCTGAAGCCGTGGCTGTGGATTTTGGGAACCTACCACCTGGGAGT
 CATGCTCTGGATCATTCTGTCTTCGTGGGCTTGTCTGCTTCGGCTCTGTCAATGGGTCTCTGTTACAG
 TCCTCAAGACTGTTCTTCGTGGGATCCAGGGAGGGCCACCTGCCTCCATCTCTCCATGATCCACCCAC
 AGCTTTGACACCGGTGCCATCACTGGTGTTCACGTGTGTCATGACCCTGATGTACGCCTTCTCCAGAGA
 CATCTTCTCCATCATCAACTTCTTCAGTCTTCTCAACTGGCTGTGTGGCCCTGGCCATCATCGGCATG
 ATGTGGCTCCGCTTTAAGAAGCCTGAGCTGGAGCGTCCCATCAAGGTGAATCTGGCCCTCCAGTGTCTT
 TTATCCTGGCCTGCCTCTTCTCATCGCCGTGCTCTTCTGGAAGACACCCTGGAGTGGCGCATTGGCTT
 CGCCATCATCTCAGCGGGCTGCCTGTCTACTTCTTTGGTGTGTGGTGGAAAAACAAGCCAAATGGATC
 CTGCAGGTCTCTTCCGTGACCGTGTCTGCCAGAAGCTGATGCAGGTGGTCTCAGGAGACT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_017353

Insert Size: 1539 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_017353.1](#), [NP_059049.1](#)

RefSeq Size: 3455 bp

RefSeq ORF: 1539 bp

Locus ID: 50719

UniProt ID: [Q63016](#)

Cytogenetics: 19q12

Gene Summary: integral membrane proteininvolved in liver development, carcinogenesis, and cell activation [RGD, Feb 2006]