

Product datasheet for **RN203975**

Slc45a1 (NM_144747) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc45a1 (NM_144747) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc45a1
Synonyms:	Dnb5; Past-A; Pasta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN203975 representing NM_144747
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGATCCCCCAGCAGGCAGCACCCCTCCGGGAGAGGCCCTCATCCCCAGTGTGGCTCCTCAGGACT
 TCTGGAGGTCTCCCATCTCCAGCTACTCAGGGTCCGTGACACGACATATCAGCCACCGGGCCAACAACCTT
 CAAACGCCACCCCAAGAGGAGGAAGTACATTCGGCCCTCTCCACCCCAACCCCAACACCCCATGTCCC
 ATTGAGCTGGTGGACTTTGAGGACTTGACCCGAGAGGTCTTTTGGGAGCTGCTCTTCAATGGCTGCA
 TTCTGTTTGAATCGAGTTCAGCTACGCCATGGAGACAGCGTACGTGACTCCAGTACTCTGCAATGGG
 CCTGCCTGACCAGCTCTACAGCCTAGTGTGTTTCATCAGCCCCATCCTCGGATTCTTGTGCAGCCTCTG
 TTGGGTGCCTGGAGTGACCGATGTACCTCAAGGTTTGAAGGAGACGCCCTTTCATTCTTGTCTGGCCA
 TAGGGGCGTTGCTGGGCTCTCGCTCCTGCTCAATGGAAGGACATTGGTATGGCCTGGCTGACACAGC
 CACCAATCACAAGTGGGCGATCCTCCTGACGGTATGCGGGGTGGTGTGATGGACTTCAGTGCAGACTCA
 GCAGATAACCCAGCCACGCCTACATGATGGACGTGTGTGGCCCGGTGGACCAGGACCGGGGCTGAACA
 TCCATGCCCTCATGGCGGGTCTTGAGGAGGGTTCGGCTACGTGGTGGAGGCATCCACTGGGACAAGAC
 CAGCTTTGGGAGGGCCCTGGGGGTGAGCTCCGCGTCATCTACATCTTCACAGCCATAACCCCTAGTGTC
 ACCACCGTGCTCACCTGGTTAGCATCCCCGAGAGGCCCTTCGGCCACTGGGAGAGAAGAGGACAGCTA
 TGAAGAGCCCAAGTCTCCCACTGCCCCCTCCCACTGTCTTGTGGAGGAGGGGGCGGGTGACACCTT
 CCCCTCTACTACAGCCACAGCTTGTACGCCAGTTTCTCCAGCCCCATCTCGCCACCCAGCCGCTCACC
 CCCAAGTACGGCAGCTTCATCAGCAGGACAGTTCCTCAGGCATCAATGAGTTCGCATCGTCTTTCC
 GGACCTCCAACATAGACAGCGTGCTCATCGACTGCTTACGGCGGGCCACGATAATTACTTGGCTCTTCC
 CAGCAGTGTCCCCAGGCAGGCCATCAGTGTGAGCTTCCCCGGGGCCCCGATGGTTTCTACTGCCAGGAG
 AGGGGACTGGAGAGGAGAGAGGGGCCCTGACCTTGGGCTTGGATGGAGATGTGCTAAGGGTAGGCTCTC
 TGGACACCTCTAAGCCACGGGCTCGGGGATTCTGAAGAGGCCCAAGACCTTGGCTCTCCCGGACGTGGC
 GGGAGGAAACGGCCCTGAAACCAGCAGGAGAAGGAACGTGACCTTCAGCCAACAGGTGGCAAACATCCTC
 TTGAATGGTGTGAAGTACGAGAGTGAGCTGACGGGCTCCAGTGAGCAGTCGGAGCAGCCGCTGTCTTGC
 GCGTCTCTGTTCCACCATCTACAACATGCCAGGGCCCTGCGCAATCTCTGTGTCAACCACTTCTGGG
 GTGGCTCTCTTCGAGGGCATGCTGCTTCTACACGGACTTCATGGGCGAGGTGGTGTTCAGGGTGAC
 CCGAAGGCGCCGACGCGTCGGAGGCGTATCAGAAGTACAACAGCGGCGTGACCATGGGCTGCTGGGGCA
 TGTGCATCTACGCCTTCAAGTGGGCTTCTACTCAGCCATCCTGGAGAACTGGAGGAGTGCCTGAGCGT
 CCGTACCTCTACTTCATCGCCTACCTCTCCTTCGGCCTGGGGACTGGACTGGCCACACTCTCCAGGAAC
 CTGTACGTGGTCTGTCCCTCTGCACCACCTACGGCATCCTGTTCTCCACGCTCTGTACCTGCCCTACT
 CTCTGCTCTGCGATTACTACCAGAGTAAGAAGTTTGCAGGGTCCAGTGCGGACGGCACACGGCGCGGCAT
 GGGAGTAGACATCTCGCTGCTCAGCTGCCAGTACTTCTGGCTCAGATCCTCGTGTCTCTGGTCTGGGG
 CCCCTGACCTCCGCTGTGGGCAAGTGGTGTGATGTACTTCGCCAGCCTCGTGTCTTCTCTCGGCT
 GCCTCTACTCTCCCTGTGTACCTACGAAATCCCCCTGCGGATGCAGCTGACGAGGAGCGCCAGCC
 CCTCCTGTTGAACGTC**TGA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
ACCN: NM_144747
Insert Size: 2259 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:	<u>NM_144747.3</u> , <u>NP_653348.3</u>
RefSeq Size:	2482 bp
RefSeq ORF:	2259 bp
Locus ID:	246258
Cytogenetics:	5q36
Gene Summary:	transporter; involved in glucose transport in the brain [RGD, Feb 2006]