

Product datasheet for **RN202820**

Slc50a1 (NM_001106445) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc50a1 (NM_001106445) Rat Untagged Clone
Tag: Tag Free
Symbol: Slc50a1
Synonyms: Rag1ap1; RGD1308478
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN202820 representing NM_001106445
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGCGGGCGGCGTGGCAGACTCTTTCTTTCCAGTGCCTGCGTGCTTTCACCCTGGGCATGTTCT
CCACTGGCCTCTCGGACCTCAGGCACATGCAGAGGACACGGAGCGTGGACAACATCCAGTTTCTGCCTTT
TCTCACCACGGATGTCAACAACCTGGGCTGGCTGAGTTATGGAGTCTTGAAGGGAGATGGGACCCTCATC
ATCGTCAATACTGTGGTGCAGTCTTTCAGACTCTATATCCTGGCATATCTGCACTACAGTCCCTCAGA
AGCAGCGCGTGCCTCCAGACGCAACCTGCTGGCTGCTCTTCTTTGGGTTATGGCTACTTTTGGCT
CCTGGTGCAGGACCTTGAGACTCGGCTTACGAGCTAGGCCTTCTTCTGAGTGTCTTTACTATCAGCATG
TACCTCTCCCCACTGGCCGACTTGGCCAAGATCATTACAGACTAAATCAACCCAGCGTCTCTCCTTCTCAC
TGACCATGGCCACCCTTCTTTCTTACCTCCTGGTCTATCTATGGGTTTCGCCTCAAAGACCCATACAT
CACGGTGCCCAACCTTCCAGGAATCCTTACCGGCTTTATCCGCTCGTGCTTTTCTACAAGTATCTCCA
GAGCAAGACACAAAATACCGCCTTCTGCAAACC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_001106445
Insert Size: 666 bp



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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:	<ol style="list-style-type: none">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_001106445.1</u> , <u>NP_001099915.1</u>
RefSeq Size:	1005 bp
RefSeq ORF:	666 bp
Locus ID:	295245
UniProt ID:	<u>D3ZH22</u>
Cytogenetics:	2q34
Gene Summary:	Mediates sugar transport across membranes. May stimulate V(D)J recombination by the activation of RAG1 (By similarity).[UniProtKB/Swiss-Prot Function]