

Product datasheet for **RN204327**

Slc25a18 (NM_001044280) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc25a18 (NM_001044280) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc25a18
Synonyms:	MGC105602
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN204327 representing NM_001044280 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATCGCCTGCAGGATGTCCAGCCAGGACCTGAGCATCACTGCAAACTCATCAATGGAGGTATAGCAG
 GTCTCGTGGGGTGACCTGCGTGTCCCATTTGACCTTGCCAAAACCGACTGCAGAACCAGCAAGGAA
 AGATGTGTACAAAGGAATGACAGATTGCCTGGTGAAGACTGCACGTGCCGAGGGCTTCTTGGGCATGTAC
 CGAGGGGCTGCAGTGAACCTCACCTGGTCACTCCAGAAAAGCAATCAAGTTGGCAGCCAATGACTTCT
 TGAGGCAGCTGCTCATGCAAGATGGGACCCAGCGAACCTGAAGATGGAGATGCTGGCCGGATGTGGGGC
 TGGAAATATGCCAGGTGGTATCCTGTCCCATGGAAATGCTCAAGATCCAGCTGCAGGATGCCGGCCGC
 TTAGCTGTCTGTGAGCAGGCTTCTGCCTCAGCCACGCCACCTCCCGGCCCTACAGCACTGGCTCGACTT
 CCACCCACAGGCGCCATCGGCCACCCTCATTGCCTGGGAGCTGCTCCGCACTCAGGGCCTCTCTGGTCT
 CTACAGGGGACTGGGTGCTACTCTCCTCAGAGACATTCCTTTCTCCATCATCTACTTCCCTTTGTTTGCA
 AACCTGAACCAACTTGGGGTCAGCGAGCTCACTGGCAAGGCCTCCTTCACACACTCCTTTGTGGCAGGCT
 GTGCAGCAGGCTCTGTCTCGGCCGTAGCTGTCACCCCTCTGGATGTTCTGAAGACTCGAATCCAGACCCT
 CAAGAAAGGCCTGGGTGAGGACCTACAGGGGAGTCACTGACTGTGCCAGGAACTCTGGACCCAGGAG
 GGAGCAGCAGCCTTCATGAAGGGAGCAGGCTGCCGTGCCCTGGTCATAGCCCCCTCTTCGGGATTGCC
 AGGGTGTCTACTTCATCGGCATTGGAGAGCGCATCTTAAAGTGCTTTGAAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001044280


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Insert Size:	963 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_001044280.2</u> , <u>NP_001037745.2</u>
RefSeq Size:	1982 bp
RefSeq ORF:	963 bp
Locus ID:	681896
UniProt ID:	<u>Q505J6</u>
Cytogenetics:	4q42
Gene Summary:	Involved in the transport of glutamate across the inner mitochondrial membrane. Glutamate is cotransported with H(+) (By similarity).[UniProtKB/Swiss-Prot Function]