

Product datasheet for RN212727

Slc25a41 (NM_001106874) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc25a41 (NM_001106874) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc25a41
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN212727 representing NM_001106874 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGAGTCCATCTGGAGGTTCTGGACACAGGAGAGCAGCTGATGGTTCCTGGGGATGTCTTGAAGAGG
AAAACAAGGGGACCCTGTGGAAGTTTCTGCTCTCCGGAGCCATGGCTGGGGCAGTGTCTCGCACAGGGAC
AGCACCTCTGGACAGAGCTAGGGTGTACATGCAGGTATACTCCTCCAAAAGTAACCTCAGGCACCTGCTG
AGTGGCCTGCGGAGCCTGGTCCAGGAGGGCGGTATCCGCTCACTCTGGCGGGCAATGGTATAAACGTGC
TCAAGATCGCCCCGGAGTACGCTATCAAGTTCTCTGTCTTTGAGCAGTCCAGGAATTTCTCTACGGTGT
GCACACATCCCCGTCCTTCCAGGAACGGGTGGTCGAGGCTCCCTGGCTGTGGCTATCTCCAGACACTC
ATCAATCCCATGGAGGTACTCAAGACTCGACTGACCTTCGCTTCACCGGCAGTACAAAGGCTTCTGG
ACTGTGCCAGGCAGATCTTGGAGCGGGACGGCACCCGAGCCCTCTACCGAGGCTACCTGCCAACATGTT
GGGCATCATACCCTACGCTTGTACTGACCTGGCTGTTTATGAGCTACTCCGGTGTGTGGCAGAAGTCG
GGCAGGGACATGAAGGACCCAGTGGCCTCGTCAGCCTGTCGTCTGTAACACTGTCCACGACCTGTGGTC
AGATGGCCAGTTACCACTGACTTTGGTGCACACAAGGATGCAGGCACAAGACTGTGGAGGGCTCCAA
CCCCACCATGCTGGGAGTCTTCAAGAGGATACTGAACCAGCAGGGCTGGCCTGGGCTATACAGAGGCATG
ACACCCACATTACTGAAGGTGTTGCCAGCAGGAGGCATCAGCTACCTGGTGTATGAGGCCATGAAGAAAA
CCCTGGGTGTACAAGTCCTGAGCAGATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001106874
Insert Size:	939 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:	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_001106874.1</u> , <u>NP_001100344.1</u>
RefSeq Size:	1235 bp
RefSeq ORF:	939 bp
Locus ID:	301114
UniProt ID:	<u>B8ZHC9</u>
Cytogenetics:	9q12
Gene Summary:	Calcium-independent ATP-Mg/Pi exchanger that catalyzes the electroneutral exchange of Mg-ATP or free ADP against an hydrogenphosphate and participates in the net transport of adenine nucleotides across the mitochondria inner membrane.[UniProtKB/Swiss-Prot Function]