

Product datasheet for **RR205183**

Slc25a5 (NM_057102) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc25a5 (NM_057102) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Slc25a5
Synonyms: Ant2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR205183 representing NM_057102
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACAGATGCCGCTGTGTCCTTCGCCAAGGACTTCTTGCTGGTGGAGTGGCCGCGCCATCTCCAAGA
CGGCGGTAGCACCCATCGAGCGGGTCAAGCTGCTGCTGCAGGTGCAGCACGCCAGCAAGCAAATCACGGC
AGATAAGCAATACAAGGGCATCATAGACTGCGTGGTTCGTATCCCAAGGAACAGGGAGTCTGTCTTC
TGGCGTGGCAACCTGGCCAATGTCATCAGATACTCCCCACCCAGGCTCTCAACTTTGCCTTCAAAGATA
AATACAAGCAGATCTTTTTGGGTGGTGTGGACAAGAGGCCAGTTTTGGCGGTACTTTGCAGGGAACCT
GGCATCAGGTGGTGTGCTGGGGCCACATCCTTGTGCTTTGTGTACCCTCTTGATTTTGCCTACCCGT
CTAGCAGCTGATGTGGGCAAAGCTGGAGCTGAAAGGGAATTCAAAGGCCTTGGTACTGCCTGGTTAAGA
TCTACAAATCTGATGGGATTAAGGGCCTGTACCAAGGCTTTAATGTGTGTCAGTGCAGGGCATTATCATCTA
CCGTGCTGCCTACTTCGGTATCTATGACTGCAAAGGGAATGCTCCCGGATCCAAGAATACTCACATC
TTCATCAGCTGGATGATTGCACAGTCTGCACTGCTGTTGCTGGCCTAATTCTTATCCTTTTGACACGG
TTCGCGTCGTATGATGATGCACTGAGCAGCAAAGGAACTGATATCATGTATACAGGCACGCTTGACTG
CTGGCGGAAGATCGCTCGAGACGAAGGAGCAAGGCCTTTTTCAAGGGTGCATGGTCCAACGTTCTCAGA
GGCATGGTGGTGCCTTTGTGCTTGTGTATGATGAAATCAAGAAGTACACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR205183 representing NM_057102
 Red=Cloning site Green=Tags(s)

MTDAAVSFAKDFLAGGVAAAISKTAVAPIERVKLLLQVQHASKQITADKQYKGIIDCVVRIPKEQGVLSF
 WRGNLANVIRYFPTQALNFAFKDKYKQIFLGGVDKRTQFWRYFAGNLASGGAAGATSLCFVYPLDFARTR
 LAADVKGAGAEREFKGLGDCLVKIYKSDGIKGLYQGFNVSVQGI IYRAAYFGIYDTAKGMLPDPKNTHI
 FISWMIAQSVTAVAGLTSYPFDTVRRRMMMQSGRKGTDIMYTGTLDCWRK IARDEGGKAFKGAWSNVL R
 GMGGAFVLLVLYDEIKKYT

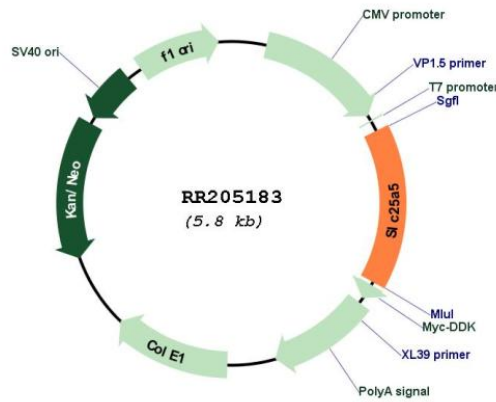
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_057102

ORF Size: 894 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_057102.1 , NP_476443.1
RefSeq Size:	1215 bp
RefSeq ORF:	897 bp
Locus ID:	25176
UniProt ID:	Q09073
Cytogenetics:	Xq35
MW:	32.9 kDa
Gene Summary:	mitochondrial adenine nucleotide translocator [RGD, Feb 2006]