

Product datasheet for MR204150

Slc25a4 (BC026925) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc25a4 (BC026925) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc25a4
Synonyms:	Ant1; AU019225
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204150 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGGGATCAGGCTTTGAGCTTTCTTAAGGACTTCTGGCAGGTGGCATCGCCGCCCGCTCTCCAAGA
CGGCGGTCGCCCCGATCGAGAGGGTCAAAGTCTGCTGCAGGTCCAGCATGCCAGCAAACAGATCAGTGC
AGAGAAGCAGTACAAAGGCATCATTGATTGTGTCGTGAGAATCCCAAGGAGCAGGGCTTTCTCTTTT
TGGAGGGTAACCTGGCCAACGTGATCCGGTACTTCCCACTCAAGCCCTGAAGTTCGCCTCAAAGACA
AGTACAAGCAGATCTTCTGGGAGGCGTGGATCGCCATAAGCAGTCTGGCGCTACTTTGCTGGTAACCT
GGCCTCTGGTGGGCGAGCTGGGGCCACCTCCCTCTGCTTCTGCTACCCGCTGGACTTTGCTAGGACCAGG
CTGGCTGCCGACGTGGGCAAGGGATCTTCCAGCGAGAATTCAATGGGCTGGGCGACTGTCTCACCAAGA
TCTTCAAGTCGGACGGCCTGAAGGGTCTCTACCAGGGTTTCAGTGTCTCTGTCCAGGGCATCATCATCTA
CAGAGTGCCTACTTCGGAGTCTATGACTGCAAGGGGATGCTGCCAGACCCCAAGAATGTGCACATT
ATCGTGAGCTGGATGATTGCCAGAGTGTGACAGCGGTGGCGGGGCTGGTGTCTATCCGTTTGACTG
TTCGTCGTAGGATGATGATGCAGTCTGGCCGAAAGGGGCTGATATTATGTACACGGGGACACTTGACTG
CTGGAGGAAGATTGCAAAAGATGAAGGAGCCAACGCTTTCTTCAAAGGTGCTTGGTCCAATGACTGAGA
GGCATGGGTGGTCTTTTGTATTGGTATTGTATGATGAGATCAAAAAATATGTG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204150 protein sequence
Red=Cloning site Green=Tags(s)

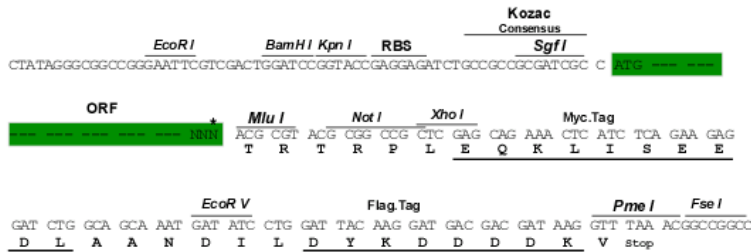
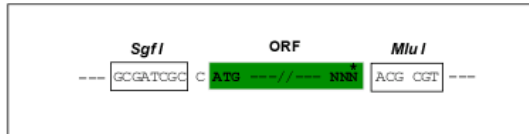
MGDQALSFLKDFLAGGIAAAVSKTAVAPIERVKLLLQVQHASKQISAEKQYKGIIDCVVRIPKEQGFLSF
 WRGNLANVIRYFPTQALNFAFKDKYKQIFLGGVDRHKQFWRYFAGNLASGGAAGATSLCFVYPLDFARTR
 LAADVKGKSSQREFNGLGDCLTKIFKSDGLKGLYQGF SVSVQGI IYRAAYFGVYDTAKGMLPDPKNVHI
 IVSWMIAQSVTAVAGLVSYFPDTRRRMMMQSGRKGADIMYTGTLDCWRKIAKDEGANAFFKGAWSNVLR
 GMGGAFVLVLYDEIKKYV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC026925

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:

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: [BC026925](#), [AAH26925](#)

RefSeq Size: 1070 bp

RefSeq ORF: 896 bp

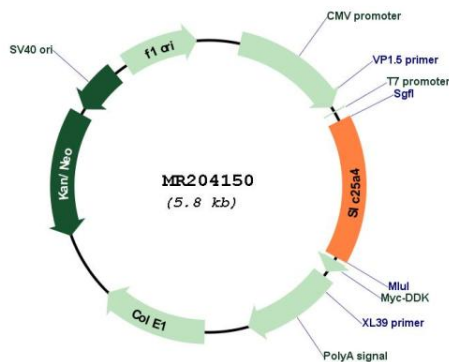
Locus ID: 11739

Cytogenetics: 8 26.22 cM

MW: 32.9 kDa

Gene Summary: Involved in mitochondrial ADP/ATP transport. Catalyzes the exchange of cytoplasmic ADP with mitochondrial ATP across the mitochondrial inner membrane.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204150