

Product datasheet for MR201343

Slc25a15 (BC061143) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc25a15 (BC061143) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Slc25a15
Synonyms: D630044L02Rik; Ornt1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201343 representing BC061143
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTATGAAATGGAGACATCTGGAAGATAGCGGCCAGTCAGAATACAGTTTGGTCAGTTGTGAAGGAGA
TCTTTAGGAAGGACGGCCCTTGGGCTTCTACCATGGGCTCTCAAGCACTTTACTTCGAGAAGTACCAGG
CTACTTCTTCTTTGGTGGCTATGAACTGAGCAGGTCATTCTTCGCATCAGGGAGATCAAAGACGAA
CTAGGCTCTGTCCATTGATGCTGAGTGGTGGATTGGTGGGATTTGCCTGTGGCTTGTGTGTATCCGG
TGGATTGTATCAAATCTAGAATCAAGTTCTTTCTATGACTGAAAGCAGACAGGACTCGTCAGGACCTT
CCTGAGTATCGTAAAGAATGAAGGAATAACAGCCTTGTATTCTGGACTGAAACCCACCATGATCCGCGCA
TTCCCTGCCAACGGGCACTGTTTTGGCCTATGAGTACAGCAGGAAGTTGATGATGAACCAATTGGAAG
CATGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201343 representing BC061143
Red=Cloning site Green=Tags(s)

MYEMETSGKIAASQNTVWSVVKEIFRKDGPLGFYHGLSSTLLREVPGYFFFFGGYELSRFFASGRSKDE
LGPVPLMLSGFGGICLWLAVYPVDCIKSRIQVLSMTGKQTGLVRTFLSIVKNEGITALYSGLKPTMIRA
FPANGALFLAYEYSRKLMMNQLEAW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: BC061143

ORF Size: 495 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: [BC061143.1](#)

RefSeq Size: 1389 bp

RefSeq ORF: 497 bp

Locus ID: 18408

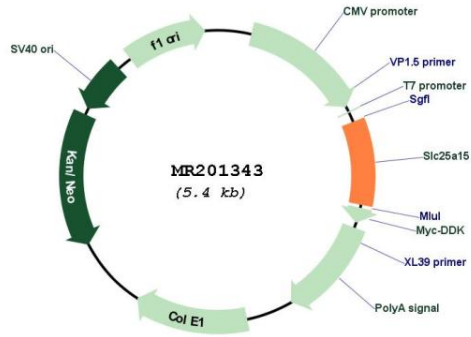
Cytogenetics: 8 A2

MW: 50.9 kDa

Gene Summary:

Ornithine-citrulline antiporter (PubMed:19287344). Connects the cytosolic and the intramitochondrial reactions of the urea cycle by exchanging cytosolic ornithine with matrix citrulline. The stoichiometry is close to 1:1 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201343