

Product datasheet for MR228082

Slc31a2 (NM_001290518) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc31a2 (NM_001290518) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Slc31a2
Synonyms: AI604396; CTR2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR228082 representing NM_001290518
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGCATTTTCATCTTCTCAGATGAGGCCGTGCTTCTCTTTGATTTCTGGAGGGTCCACAGCCCTACAGGCA
TGGCTCTCTCAGTGCTGGTAGTCTTGCTCCTGGCAGTACTGTATGAGGGCATCAAGGTTGGCAAAGCCAA
ATTGCTCCACAAGACTCTGGAGAGCCTGCCTGCCACCAACAGCCAGCAGTTCATCTTGGGACCAGACCAG
GATTCTACAGGCTCCAGATCAACTTCAGACAATAGGACCCGCCTCAGGTGGTTTTTGTGTTACTTTGGCC
AGTCCCTAGTCCATGTCATTTCAGGTGGTAATTGGCTACTTTGTGATGCTGGCTGTCATGTCCTACAACAC
CTGGATTTTCTCGGTGTGGTCCTGGGCTCGGCTGTGGGCTACTACCTAGCCTACCCACTTCTCAACATG
ACT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228082 representing NM_001290518
Red=Cloning site Green=Tags(s)

MHFIFSDEAVLLFDFWRVHPTGMALSVLVVLLAVLYEGIKVGKAKLLHKTLESIPATNSQQFILGPDQ
 DSTGSRSTSDNRTRLRWFLCYFGQSLVHVIQVYVYFVMLAVMSYNTWIFLGVLGSAVGYLLAYPLLNM
 T

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_001290518

ORF Size: 423 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001290518.1](#), [NP_001277447.1](#)

RefSeq Size: 1803 bp

RefSeq ORF: 426 bp

Locus ID: 20530

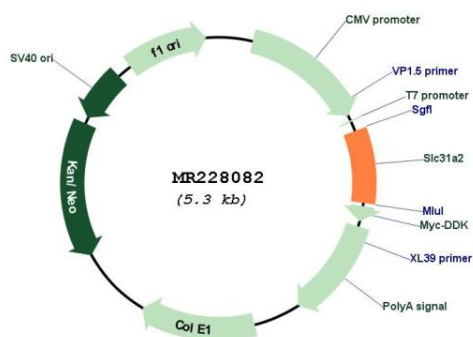
UniProt ID: Q9CPU9

Cytogenetics: 4 B3

MW: 16.3 kDa

Gene Summary: Involved in low-affinity copper uptake.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR228082