

Product datasheet for MR206421

Slc25a13 (BC016571) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc25a13 (BC016571) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc25a13
Synonyms:	A1785475; Ctrn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206421 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGTTGACATCTTGTTCAGTTAGCAGATTTATATGAGCCGAGGGGCGCATGACCTTAGCAGACA
TTGAGCGGATCGCCCTCTAGAGGAAGGAATGTTACCCTCAACTGGCCGAGGCCAGAGGCAGAAAGGC
CTCGGGTGATGCTGCTCGGCCCTTCTTCTGCAGCTCGCAGAGTCAGCCTACAGGTTTGGACTGGTTCT
ATTGCTGGAGCTGTCGGAGCCACTGCCGTATCCTATCGATCTTGTAAAGACTCGAATGCAGAACCAGA
GATCAACCGGCTCTTTTGTGGGCGAGCTCATGTATAAAAACAGCTTTGACTGCTTTAAGAAGGTGCTCCG
CTACGAAGGCTTCTTTGGACTGTACCGAGTTTGTGCCACAGTTACTGGGAGTCGCCCCGAGAAGGCC
ATAAACTTACAGTGAACGATTTTGTGAGAGATAAATTTATGCACAAAGATGGCTCCGTCCTTTTGG
CAGAGATTTTGTGAGGCTGTGCTGGAGGCTCCCAAGTGATTTTACAAATCCTTTAGAGATTGTGAA
AATCCGCTTACAAGTGGCCGGAGAGATCACCACTGGCCCCGAGTCAGCGCCCTGTCCGTTGACGAGAC
CTGGGGTCTTTGGCATCTACAAGGGCGCAAAGCATGCTTCTGAGGGACATTCCTTTCTCAGCCATCT
ACTTCCCGTGCTATGCCACGTGAAGGCTTCTTTGCAATGAAGACGGGCAGGTGACCCCGGAAGCCT
GCTCTTAGCCGGTGCTATTGCTGGTATGCTGCGGCATCTTTAGTGACCCCTGCTGATGTTATCAAGACT
AGATTACAGGTGGCTGCCCGGCTGGCCAAACCCTTACAACGGTGTGACCGGCTTCCAGAAAGATA
TTCGAGAAGAGGGCCCCAAAGCATTGTGAAAGGAGTTGCTGCTGCTTCCGCTCCTCGCCCCAGTT
TGGTGTACCTTGCTTACGTATGAATTGCTGCAGCGGTGGTTCTATGTCGATTTTGGAGGCGTGAAGCCC
GTGGGATCTGAGCCGTTCTAAATCCCGGATTACTCTGCCCGCTCCCAATCCTGACCACGTAGGGGGCT
ACAAACTGGCCGTTGCCACATTCGCAGGGATTGAGAACAATTTGGACTTTACCTACCTCTTTAAGCC
ATCAGCATCTACCTCAAAGTGACTGCTGGGGACTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR206421 protein sequence
Red=Cloning site Green=Tags(s)

MEVDILFQLADLYEPRGRMTLADIERIAPLEEGMLPFNLAEAQRQKASGDAARPFLLQLAESAYRFGLGS
 IAGAVGATAVYPIDLVKTRMQNRSTGFSVVELMYKNSFDCFKKVLRYEGFFGLYRGLLPQLLGVAPKA
 IKLTVNDFVRDKFMHKDGSVPLLAEIFAGGCAGGSQVIFTNPLEIVKIRLQVAGEITTGPRVSALSVVRD
 LGFFGIYKGAACFLRDIPFSAIYFPCYAHVKASFANEDGQVSPGSLLLAGAIAGMPAASLVTPADVIKT
 RLQVAARAGQTTYNGVTDGFRKILREEGPKALWKGVAARVFRSSPQFGVTLLTYELLQRWFYVDFGGVKP
 VGSEPVPKSRITLPAPNPDHVGKYKLAVATFAGIENKFGLYLPLFKPSASTSKVTAGDS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC016571

ORF Size: 1227 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: [BC016571](#), [AAH16571](#)

RefSeq Size: 1755 bp

RefSeq ORF: 1229 bp

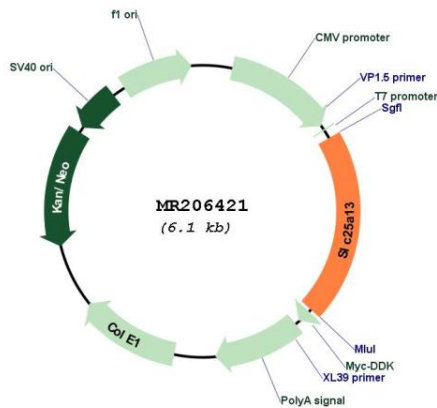
Locus ID: 50799

Cytogenetics: 6 A1

MW: 44.3 kDa

Gene Summary: Mitochondrial and calcium-binding carrier that catalyzes the calcium-dependent exchange of cytoplasmic glutamate with mitochondrial aspartate across the mitochondrial inner membrane. May have a function in the urea cycle.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206421