

Product datasheet for MR205706

Slc39a11 (BC031751) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc39a11 (BC031751) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc39a11
Synonyms:	1810074D23Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205706 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCTCCAAGGTTACAGCTCCGTGGTCCAGGCCTTGCTGGGGACCTTCTTACCTGGGCAATGACAGCAG
 CCGGGGCAGCTCTCGTGTTTCATATTCTCCAGCGGGCAGAGGCGGATCTTAGACGGAAGCCTGGGCTTTGC
 CGCAGGGGTCATGTTAGCGGCTTCTACTGGTCGCTGCTTGACACGCGGTGGAGATGGCGACATCCTCG
 GGGGGCTTCGGAGCCTTTCCTTCTCCAGTGGCTGTTGGCTTACCCTGGGGGCCGCTTTGTCTACC
 TGGCTGACCTCCTGATGCCTCACCTGCTCCAGGTTTCTTCTACCATCTGGAGACTGTAAGATGCCAAC
 AGCAACGAAAACCACTGTTGGGGAGAACAGAGCTGTGGAGCTTCTGGCGGGAAACAGGGTGTACA
 GAAGACCCCCAGACAGCCTGGCGCTGAACTTGGACCCTGCATTGATGAAGAACTCTGATCCCAGGGACC
 CCACTTCGCTGCTTCCCGGAGAGTGAACCTTCCATCCGGATAGACAAGCGTGAGAATGGCGAGGTATA
 CCAGAGGAAGAAGGTGGCAGCTACTGACCTCGCAGAGGGCGTGGCCCCCTCAGGATCAATGCACGGGAGC
 TCAGGGCAGCCTGGGGGAGCAGCTGGAGGAGGATTGCTTGTCTCATCCTGGCCATCACCATACACAACA
 TTCCAGAGGGTCTTGCTGTTGGCGTAGGATTTGGAGCAGTAGAAAAGACTGCATCTGCCACCTTCGAGAG
 TGCCAGGAATCTGGCCATTGGAATTGGGATCCAGAATTTCCAGAGGGCCTGGCTGTGAGCCTTCTCTG
 CTGGGGTCTTTGGAGCATTGCGGTGGTACTGGCTGAGCCCATCTGCCATATGCACTGGCCTTTGCTGC
 TGGTGCCATGGTACGTGGTACATGATGACATCATCCCCGAGGCCAGATCAGTGGCAACGGAAGCTG
 GCATCCTGGGCCTCCATCCTGGGATTTGTGGTGATGATGTCCCTGATGTGGCCTCGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >MR205706 protein sequence
Red=Cloning site Green=Tags(s)

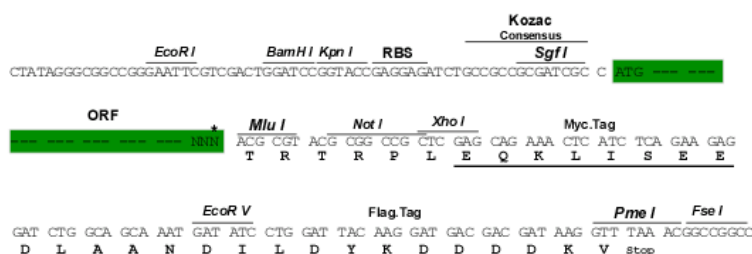
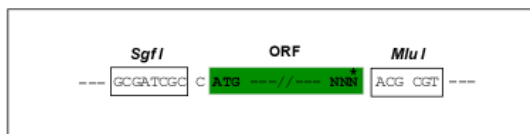
MLQGYSSVVQALLGTTFFIWAMTAAGAALVFIFSSGQRRILDGSLGFAAGVMLAASYWSLLAPAVEMATSS
GGFGAFAFFPVAVGFTLGAAFYVLADLLMPHLLQVSFLPSGDCKMPTATKTPLLGRTRAVELLGGNQGAT
EDPQTALALNLPALMKKSDPRDPTSLFPESELSIRIDKRENGEVYQRKKVAATDLAEGVAPSGSMHGS
SGQPGGSSWRRIRALLILAITIHNIPEGLAVGVGFAVEKTASATFESARNLAIGIGIQNFPEGLAVSLPL
RGAGFSTWKAFFWYQDLSGMVEPLAGVGFAGAVVLAEPILPYALAFAGAAMVYVVMDDIIPAEQISNGKL
ASWASILGFVVMYSLGVL

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC031751

ORF Size: 1110 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: BC031751, AAH31751

RefSeq Size: 2778 bp

RefSeq ORF: 1112 bp

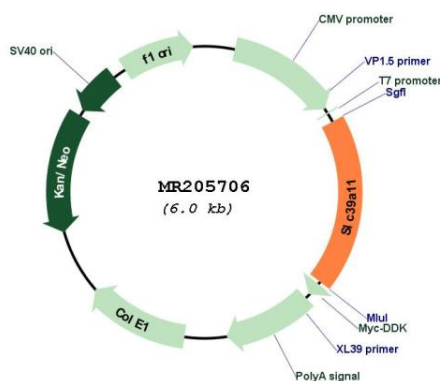
Locus ID: 69806

Cytogenetics: 11 E2

MW: 38.5 kDa

Gene Summary: Functions as a cellular zinc transporter.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205706