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Product datasheet for MR205696

Slc39a11 (NM_027216) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
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:

>MR205696 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTCCAAGGTTACAGCTCCGTGGTCCAGGCCTTGCTGGGGACCTTCTTCACCTGGGCAATGTCAGCAG
CCGGGGCAGCTCTCGTGTTCATATTCTCCAGCGGGCAGAGGCGGATCTTAGACGGAAGCCTGGGCTTTGC
CGCAGGGGTCATGTTAGCGGCTTCCTACTGGTCGCTGCTTGCACCAGCGGTGGAGATGGCGACATCCTCG
GGGGGCTTCGGAGCCTTTGCCTTCTTCCCAGTGGCTGTTGGCTTCACCCTGGGGGCCGCCTTTGTCTACC
TGGCTGACCTCCTGATGCCTCACCTGGGTGCTACAGAAGACCCCCAGACAGCCCTGGCGCTGAACTTGGA
CCCTGCATTGATGAAGAAGTCTGATCCCAGGGACCCCACTTCGCTGCTCTTCCCGGAGAGTGAACTTTCC
ATCCGGATAGACAAGCGTGAGAATGGCGAGGTATACCAGAGGAAGAAGGTGGCAGCTACTGACCTCGCAG
AGGGCGTGGCCCCCTCAGGATCAATGCACGGGAGCTCAGGGCAGCCTGGGGGGAGCAGCTGGAGGAGGAT
TGCTTTGCTCATCCTGGCCATCACCATACACAACATTCCAGAGGGTCTTGCTGTTGGCGTAGGATTTGGA
GCAGTAGAAAAGACTGCATCTGCCACCTTCGAGAGTGCCAGGAATCTGGCCATTGGAATTGGGATCCAGA
ATTTCCCAGAGGGCCTGGCTGTCAGCCTTCCTCTGCGTGGAGCAGGCTTCTCTACCTGGAAAGCTTTCTG
GTATGGACAGCTGAGCGGCATGGTGGAGCCCTTGGCTGGGGTCTTTGGAGCATTTGCGGTGGTACTGGCT
GAGCCCATCCTGCCCTATGCACTGGCCTTTGCTGCTGGTGCCATGGTCTACGTGGTCATGGATGACATCA
TCCCCGAGGCCCAGATCAGTGGCAACGGGAAGCTGGCATCCTGGGCCTCCATCCTGGGATTTGTGGTGAT
GATGTCCCTTGATGTGGGCCTCGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>MR205696 protein sequence
Red=Cloning site Green=Tags(s)

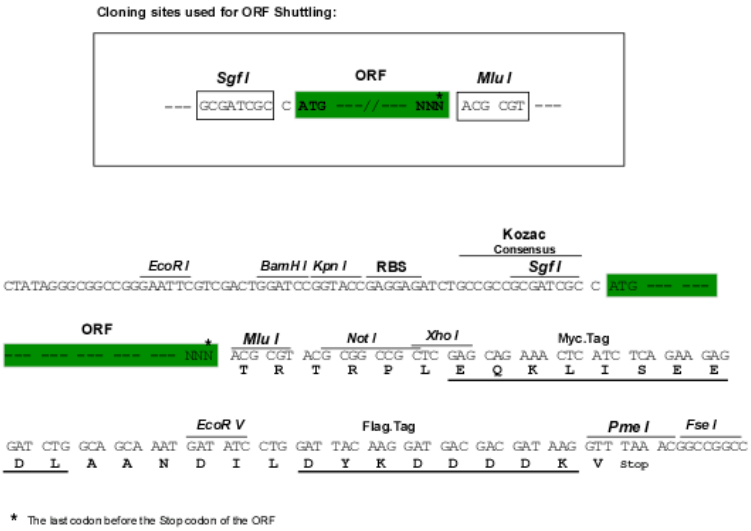
MLQGYSSVVQALLGTFFTWAMSAAGAALVFIFSSGQRRILDGSLGFAAGVMLAASYWSLLAPAVEMATSS
GGFGAFAFFPVAVGFTLGAAFVYLADLLMPHLGATEDPQTALALNLDPALMKKSDPRDPTSLLFPESELS
IRIDKRENGEVYQRKKVAATDLAEGVAPSGSMHGSSGQPGGSSWRRIALLILAITIHNIPEGLAVGVGFG
AVEKTASATFESARNLAIGIGIQNFPEGLAVSLPLRGAGFSTWKAFWYGQLSGMVEPLAGVFGAFAVVLA
EPILPYALAFAAGAMVYVVMDDIIPEAQISGNGKLASWASILGFVVMMSLDVGLG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_027216

ORF Size:

1005 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).

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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_027216.1, NM_027216.3, NM_027216.4, NM_027216.5, NP_081492.3

RefSeq Size: 2721 bp

RefSeq ORF: 1008 bp

Locus ID: 69806

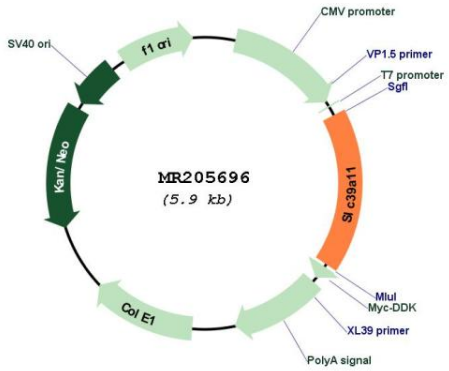
UniProt ID: Q8BWY7

Cytogenetics: 11 E2

MW: 34.8 kDa

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

Product images:



Circular map for MR205696

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