

Product datasheet for MR216954

Slc39a9 (NM_026244) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc39a9 (NM_026244) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc39a9
Synonyms:	2010002A02Rik; 2610511I23Rik; 4833420E20Rik; AW209151
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR216954 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGATGACTTTCTCTCCATTAGTCTGCTGTCTGTGGCAATGTTGGTGGGATGTTACGTGGCCGGAATCA
TTCCTTTGGCTGTTAATTTCTCAGAGGAGCGGCTGAAGCTGGTGACGGTCTGGGTCTGGTCTTCTCTG
TGGAACTGCACTGGCGGTCATCGTCCCGAAGGAGTGACGCACCTTTATGAAGAGGTTCTGGAGGGGAAA
CACCACAAACCAGTGAAATGAAGCAGAATGGGATTGCCTCAGACAAAGCAGCAGAAATATCATCTGTCC
ATGAACATGAGCACAGCCATGACCACACACAGCTACATGCCTACATCGGTGTGCCCTTGTATTGGGCTT
CGTTTTTCATGTTGCTAGTGGACCAGATTGGCAGCTCCCATGTGCATTCCAGTGATGATCCAGAAACAGCA
AGGCCCAGCAGTTCAAAATCACCACCACCTGGGGCTAGTCGTCCATGCTGCAGCTGATGGTGTAGCTT
TGGGAGCAGCAGCCTCTACTTCACAAACTAGTGTCCAGTTAATTGTTCGTGGCAATAATGCTACACAA
GGCTCCAGCAGCATTGGGCTGGTTTCTTCTCTGATGCATGCTGGTCTGGAGCGGAATCGAATCAGAAAG
CACTTGCTGGTCTTTGCATTGGCAGCACCAGCCATGTCCATGCTGACATACTTAGGATTAAGTAAGAGCA
GTAAAGAAGCCCTTTAGAGGTCAATGCCACTGGAGTGGCCATGCTTTTCTCTGCTGGGACATTTCTTTA
TGTTGCCACCGTCCATGTCTCCCTGAAGTGGGTGGAATGGGGCAGCCACAAACCTGATACCCTGGA
GGGAGAGGCCTCAGCCGCTTGAGGTGGCAGCCCTGGTTCTGGGTTGCCATCCCGCTCATCCTATCAA
TAGGACACCAGCAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR216954 protein sequence
Red=Cloning site Green=Tags(s)

MDDFLSISLLSVAMLVGCYVAGIIP LAVNFSEERLKLVTVLGAGLLCGTALAVIVPEGVHALYEEVLEGGK
 HHQTSEMKGNGIASDKAAEISSVHEHEHSHDHTQLHAYIGVSLVLFVFMLLVDQIGSSHVHSSDDPETA
 RPSSSKITTTGLVVHAAADGVALGAAASTSQTSVQLIVFVAIMLHKAPAAFGLVSFLMHAGLERNRIRK
 HLLVFFALAAPAMSM LTYLGLSKSSKEALSEVNATGVAMLF SAGTFLYVATVHVLPEVGGMGHSHKPDTTG
 GRGLSRLEVAALVLGCLIP LILSIGHQH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_026244

ORF Size: 927 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: [NM_026244.2](#), [NP_080520.2](#)

RefSeq Size: 5247 bp

RefSeq ORF: 927 bp

Locus ID: 328133

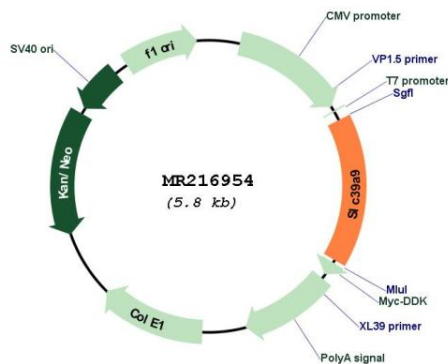
UniProt ID: [Q8BFU1](#)

Cytogenetics: 12 C3

MW: 32.4 kDa

Gene Summary: May act as a zinc-influx transporter.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216954