

Product datasheet for **MR222825**

Slc26a9 (NM_177243) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc26a9 (NM_177243) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc26a9
Synonyms:	E030002L01Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR222825 representing NM_177243
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACCAGCCCAGGCCCGCTACGTGGTAGACAGAGCTGCGTACTCCCTCTCCCTCTTCGATGATGAGT
 TTGAGAAGAAGGACCGTGCCTACCCGGTGGGAGAGAAGCTTCGCAACACTTTTCAGGTGCTCCTCAGCCAA
 GTTCAAAGCCTTTGTGTTGGGCTGTTGCCTGTGCTCTCCTGGCTCCCTAAATACAGATCAAAGACTAC
 ATCATCCCTGACTTGCTGGGTGGACTCAGTGGAGGGTGTATCCAGGTGCCACAAGGCATGGCATTTCAT
 TGCTGGCCAACTTCTGCTGTCAACGGTCTCTACTCCTCTTCTCCCTCCTGACCTATTTCTTCTT
 AGGGGGTATTACCAGATGGTGCCAGGTACCTTTGCCGTTATCAGCATCCTGGTGGGTAACATCTGTCTG
 CAGCTGGCCCCAGAGTCGAAATTCAGATCTTCAACAATGTCACCAATGAGACCTACGTGGACACAGCAG
 CCATGGAGGCAGAAAGACTGCATGTGTCTGCGACACTTGCCTGCCTGACTGCTGCATCCAGATGGCCTT
 GGGCTTCATGCAGTTTGGCTTTGTGCCATCTACCTCTCTGAGTCCTTTATCCGGGGCTTCATGACAGCC
 GCTGGCCTGCAGATTCTCATCTCTGTGCTCAAGTACATCTTTGGTCTGACCATTCCCTCCTATACAGGCC
 CTGGCTCCATCGTCTTTACCTTCATTGACATTTGCAAAAACCTCCCCACACCAACATCGCCTCGCTCAT
 CTTTGGCCTGGTCAAGCGGTGCTTCTGGTGTGGTGAAGGAACTCAACGCTCGGTACATGCACAAGATC
 CACTTCCCACATCCCTACAGAGATGATTGTGGTGGTAGTTGCAACCGCTATCTCTGGGAGCTGCAAGATGC
 CAAAAAATACCACATGCAGATTGTGGGGGAGATCCGACAAGGGTTTCCCACTCCGGTGGCACCGATGGT
 TTCGCAGTGAAGGACATGGTGGGCACAGCCTTCTCCCTGGCAATTGTGGGCTATGTCATCAATCTGGCT
 ATGGGCCGACCCTGGCCAGCAAGCATGGCTATGATGTGGATTCTAACAGGAGATGATTGCCCTGGGCT
 GTAGCAACTTCTCGGCTCCTTTTTCAAGATCCACGTCATTTGCTGCGCTCTCTCAGTCACTACACTGGCTGT
 GGATGGGGCTGGAGGAAATCCCAGGTGGCCAGCTTGTGTGTCTCTGGTGGTATGATCACCATGCTGTG
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 CTGTTGTGATCTTCCAGACCCAGTTTCGAAATGGCTCCACACTGGCCAGGTGATGGACACGGACATCT
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 TCTCTACTTTGCCAACTCAGAGATCTTCCAGGCAAAAAGTCAATTGCCAAGACAGGTATGGACCCCAAGAA
 GTATTACTCGCCAAGCAGAAATATCTCCGGAAGCAGGAGAAGAGGACGGCGATACCCACACAGCAGAGAA
 AGTCCCTTTCATGAAAACCAAGACGGTCTCTCTACAGGAACTCCAACAGGACTTTGAAAGTGCTCCCTC
 TACTGACCCCAACAACAACCAAGCTCCTGCGGGTGAAGGCTCACATATCCTACATCACCTTCACTCCAGAC
 GCCTCCACAGCTGCTGCATGTGAGCTGCCCGCCTCCACTCGGTCCCCCAGGAGGCTAGTGACACTCTAG
 CCAGTGTGCCGCCCTTTGTACCTTCCACACTCTCATCTTGACATGAGTGGAGTCAGCTTTGTGGATT
 GATGGGCATCAAAGCTCTCGCCAAGCTAAGCTCCACCTATGAGAAGATCGGAGTCCAGATCTTTCTGGTA
 AACATCCACGCCCAGGTGTATAATGACATCAGCCACGGAGGTGTCTTTGAAGATGGGTGTGTACAGCGCA
 GTCACGTGTTCCCAGCATCCACGATGCAGTCTCTTTGCCAAGCAAAATGCTAGAGAAGCCCCAGACCG
 CAACTTCCATGGGGCTCCAGGGATACTGAGTTCTCTTGTATGACTCAGAAGAGGAAGGTCCAGCTAT
 TGGGACTTAGAACAGGAGATGTTCCGGACCATGTTTCACACAGAGACCCTGACTGCCCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR222825 representing NM_177243
Red=Cloning site Green=Tags(s)

MNQPRPRYVVDRAAYSLSLFDFEFKEDRAYPVGEKLRNTFRCSAKFKAFVFGLLPVLSWLPKYKIKDY
IIPDLLGGLSGGCIQVPQGMFAALLANLPAVNGLYSSFFPLLYFFLGGIHMVPGTFAVISILVGNICL
QLAPESKFQIFNNVTNETYVDTAAMEAERLHVSATLAQLTAVIQMALGFMQGFVAIYLSESFIRGFMTA
AGLQILISVLKYIFGLTIPSYTGPGSIVFTFIDICKNLPHTNIASLIFALVSGVFLVLVKELNARYMHKI
HFPIPTMIVVVVATAISGSCMKPKYHMQIVGEIRQGFPTPVAPMVSQWKDMVGTAFSLAIVGYVINLA
MGRTLASKHGVDVDSNQEMIALGCSNFFGFFKIHVICCALSVTLAVDAGGKSQVASLCVSLVVMITML
VLGSYLPLPKAVLGALIAVNLKNSLKQLTDPYYLWRKSKLDCCVWVVSFLSSFFLSLPGVAVGVAFSI
LVVIFQTQFRNGSTLAQVMDTDIYVNPKTYNRAQEIAGVKIVTYCSPLYFANSEIFRQKVIAKTGMDPQK
VLLAKQKYLKQEKRTAIPTRQKSLFMKTKTVSLQELQQDFESAPSTDPNPNQAPAAEAHISYITFSPD
ASTAAACELPASTRSPQEASDTLASVPPFVTFHTLILDMSGVSFVDMGKALAKLSSTYEKIGVQIFLV
NIHAQVYNDISHGGVFEDGCVQRSHVFPSTHDAVLFAQANAREAPDRNFHGAPGDTEFSLYDSEEEGPSY
WDLEQEMFGTMFHTETLTAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9004_a11.zip

Restriction Sites: Sgfl-Mlul

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_177243.4](#), [NP_796217.2](#)

RefSeq Size: 3640 bp

RefSeq ORF: 2373 bp

Locus ID: 320718

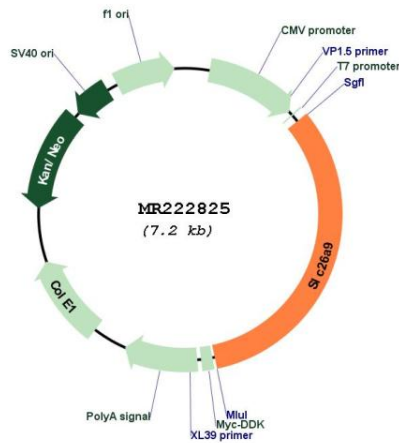
UniProt ID: [Q8BU91](#)

Cytogenetics: 1 E4

MW: 87.4 kDa

Gene Summary: DIDS- and thiosulfate- sensitive anion exchanger mediating chloride, sulfate and oxalate transport. Mediates chloride/bicarbonate exchange or chloride-independent bicarbonate extrusion thus assuring bicarbonate secretion. Inhibited by ammonium and thiosulfate. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222825