

Product datasheet for **MR222811**

Slc2a9 (NM_001102415) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc2a9 (NM_001102415) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc2a9
Synonyms:	Glut9; SLC2a9A; SLC2A9B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR222811 representing NM_001102415
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATCCAGGGAGCTTGTCTTGTAGCTTCCTGATGTGTGACACCGGTGGCCCTGGGAGCTCTCTGTGG
 GTCACCAGCAGAGGAGGACAAAGAAATGGTCCTTCTCGCTCGTCGTGGCAGCTCTCGTGGGAGCCTTCGG
 GTCCTCCTTCTCTACGGGTACAACCTCTCCGTGGTGAACCGGCCACGCCGTATATCAAGGCCTTTTAC
 AATGGAACCTGGTACAGGAGGCATGGACAGCCATTGACCCGGATACCCTGACTCTGCTCTGGTCTGTGA
 CTGTGTCCATATTTGCGATTGGTGGCCTGGTGGGAACGCTGATGGTGAAGATGATTGGAAAGTTTCTTGG
 GAGGAAGTCCACATTGCTGGTCAACAATGGATTTGCCATTTCCGCAGCGTTGCTGATGGCATGCTCACTC
 CGGGCAGGAACCTTTGAGATGCTATTGTGGGACGGTTCATCATGGGTGTGGATGGAGGCATTGCACTCA
 GCGCGCTCCCATGTATCTCAACGAGATCTCACCAAGGAGATCCGGGGCTCTCTGGGCCAGGTGACTGC
 CATCTTCACTGCAATTGGCGTGTCTTCTGGACAGTTGCTGGCCCTGCCGGAGCTGCTGGGAAGGATCTGG
 TTCTACACCAACAGCATCTTTGGGAAAGCTGGGATCCCTCAGGACAAGATCCCATACATCACCTGAGCA
 CGGGAGGAATTGAAACACTGGCTGCTATCTTCTCTGGCTTGGTCAATTGAGCGCTTAGGAAGGAGACCTCT
 CCTCATTGGTGGCTTCGGGCTGATGGCCCTCTTCTTGGGACCCTCACCGCGACTGACCTGCAGGAC
 CAAGCTCCCTGGGTCCCTTACCTCAGCATTGTGTGCATCTTGGCCATCATTGCCTCGTTCTGCAGCGGT
 CAGGTGGGATCCCATTCCTGACCGGAGAGTTCTTCCAACAGTCAGAGCGACCGGCAGCCTTCATGAT
 CGCAGGCACAGTCAACTGGCTCTCAAATTCGCGTAGGGCTCCTTTCCCTTTCATCCAGAAAAGCCTG
 GACTCCTACTGCTTCTCGTCTTCGCCACAATATGTATCGCAGGTGCTACCTACTCTATTTTGTCTCTCC
 CGGAGACCAAGAACAACCCATGCAGAAATCAGCCAGGCATTTGCCAAGAGGAACAAGGCTCAGCCCC
 AGAGGTGAAGGCTGATTCAGCCATGACTGAGGAGAAGGCCAACAGCCAGACTGAGCCCGATTATCCTCC
 ACCTGGACAGCTATGGCCAAAACAAAATTGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR222811 representing NM_001102415
 Red=Cloning site Green=Tags(s)

MDSRELALASLMCDTGGPGELSVGHQQRRTKKWSFSLVVAALVGAFGSSFLYGYNLSVNVNAPTPYIKAFY
 NGTWYRRHGQPIDPDTLTLWSVTVSIFAIGGLVGTLMVKMIGKFLGRKSTLLVNNGFAISAALLMACSL
 RAGTFEMLIVGRFIMGVDGGIALSALPMYLNEISPKEIRGSLGQVTAIFICIGVFSGQLLGLPELLGRIW
 FYTNSIFGKAGIPQDKIPYITLSTGGIETLAAIFSGLVIERLGRRPLLIGGFGLMALFFGTLTATLTLQD
 QAPWVPYLSIVCILAIIASFCSGPGGIPFILTGEFFQSERPAAFMIAGTVNWL SNFAVGLLFPFIQKSL
 DSYCFLVFATICIAGATYFYFVLPETKNRTHAEISQAF AKRNKAQPPEVKADSAMTEEKANSQTEPDSS
 TLDSYGQNKIV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001102415

ORF Size: 1293 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_001102415.1](#), [NP_001095885.1](#)

RefSeq Size: 3281 bp

RefSeq ORF: 1296 bp

Locus ID: 117591

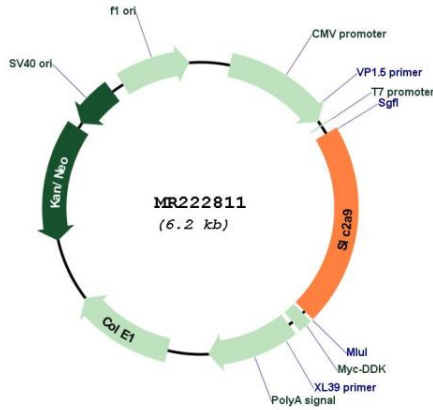
UniProt ID: [Q3T9X0](#)

Cytogenetics: 5 B3

MW: 47 kDa

Gene Summary: Urate transporter, which may play a role in the urate reabsorption by proximal tubules (PubMed:19587147, PubMed:25100214). Does not transport glucose, fructose or galactose (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222811