

Product datasheet for **MG222811**

Slc2a9 (NM_001102415) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc2a9 (NM_001102415) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Slc2a9
Synonyms: Glut9; SLC2a9A; SLC2A9B
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG222811 representing NM_001102415
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGATCCAGGGAGCTTGCTTTAGCTTCCCTGATGTGTGACACCGGTGGCCCTGGGGAGCTCTCTGTGG
 GTCACCAGCAGAGGAGGACAAAGAAATGGTCTTCTCGCTCGTCGTGGCAGCTCTCGTGGGAGCCTTCGG
 GTCCTCCTTCTACGGGTACAACCTTCCGTGGTGAACGCGCCACGCCGATATCAAGGCCTTTTAC
 AATGGAACCTGGTACAGGAGGCATGGACAGCCATTGACCCGGATACCCTGACTCTGCTCTGGTCTGTGA
 CTGTGTCCATATTGCGATTGGTGGCCTGGTGGGAACGCTGATGGTGAAGATGATTGGAAAGTTTCTTGG
 GAGGAAGTCCACATTGCTGGTCAACAATGGATTTGCCATTTCCGCAGCGTTGCTGATGGCATGCTCACTC
 CGGGCAGGAACCTTTGAGATGCTCATTGTGGGACGGTTTCATCATGGGTGTGGATGGAGGCATTGCACTCA
 GCGCGCTCCCCATGTATCTCAACGAGATCTCACCCAAGGAGATCCGGGGCTCTCTGGGCCAGGTGACTGC
 CATCTTCATCTGCATTGGCGTGTCTTCTGGACAGTTGCTGGGCCCTGCCGGAGCTGCTGGGAAGGATCTGG
 TTCTACACCAACAGCATCTTTGGGAAAGCTGGGATCCCTCAGGACAAGATCCCATAACATCACCTGAGCA
 CGGGAGGAATTGAAACACTGGCTGCTATCTTCTCTGGCTTGGTCATTGAGCGCTTAGGAAGGAGACCTCT
 CCTCATTGGTGGCTTCGGGCTGATGGCCCTCTTCTTTGGGACCCTCACCGGACACTGACCTGCAGGAC
 CAAGCTCCCTGGTCCCTTACCTCAGCATTGTGTGCATCTTGCCATCATTGCCTGTTCTGCAGCGGTC
 CAGGTGGGATCCCATTCATCCTGACCGGAGAGTTCTTCCAACAGTCAGAGCGACCGGACGCTTCATGAT
 CGCAGGCACAGTCAACTGGCTCTCAAACCTCGCCGTAGGGCTCCTTTTCCCTTTCATCCAGAAAAGCCTG
 GACTCCTACTGCTTCTCGTCTTCCGCCACAATATGTATCGCAGGTGCTACCTACTTCTATTTTGTCTCC
 CGGAGACCAAGAACAGAACCCATGCAGAAATCAGCCAGGCATTTGCCAAGAGGAACAAGGCTCAGCCCC
 AGAGGTGAAGGCTGATTCAGCCATGACTGAGGAGAAGGCCAACAGCCAGACTGAGCCCGATTATCTCTCC
 ACGCTGGACAGCTATGGCCAAAACAAAATTGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG222811 representing NM_001102415
Red=Cloning site Green=Tags(s)

MDSRELALASLMCDTGGPGELSVGHQQRRTKKWSFSLVVAALVGAFGSSFLYGYNLSVNVNAPTPIKAFY
 NGTWYRRHGQPIDPDTLLWSVTVSIFAIGGLVGTLMVKMIGKFLGRKSTLLVNNGF AISAALLMACSL
 RAGTFEMLIVGRFIMGVDGGIALSALPMYLNEISPKAIRGSLGQVTAIFICIGVFSGQLLGLPELLGRIW
 FYTNSIFGKAGIPQDKIPYITLSTGGIETLAAIFSGLVIERLGRRPLLIGGFGLMALFFGTLTATLTLQD
 QAPWVPYLSIVCILAIASFCSGPGGIPFILTGEFFQSERPAAFMIAGTVNWL SNFAVGLLFPFIQKSL
 DSYCYFLVFATICIAGATYFYFVLPETKNRTHAEISQAF AKRNKAQPPEVKADSAMTEEKANSQTEPDSS
 TLDSYGQNKIV

TRTRPLE - GFP Tag - V

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

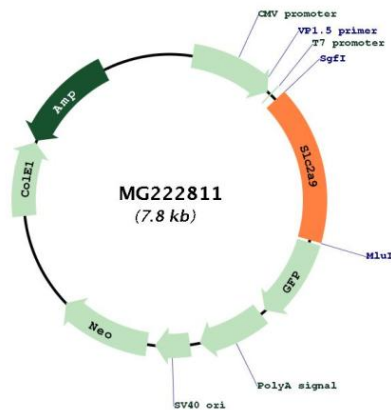
Locus ID: 117591

UniProt ID: [Q3T9X0](#)

Cytogenetics: 5 B3

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 MG222811