

Product datasheet for **MG222809**

Slc2a9 (NM_001102414) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc2a9 (NM_001102414) 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)



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ORF Nucleotide Sequence:

>MG222809 representing NM_001102414
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATCCAGGGAGCTTGTCTTAGCTTCCTGATGTGTGACACCGGTGGCCCTGGGGAGCTCTCTGTGG
 GTCACCAGCAGAGGAGGACAAAGAAATGGTCCTTCTCGCTCGTCGTGGCAGCTCTCGTGGGAGCCTTCGG
 GTCCTCCTTCTCTACGGGTACAACCTCTCCGTGGTGAACCGGCCACGCGGTATATCAAGGCCTTTTAC
 AATGGAACCTGGTACAGGAGGCATGGACAGCCATTGACCCGGATACCCTGACTCTGCTCTGGTCTGTGA
 CTGTGTCCATATTTGCGATTGGTGGCCTGGTGGGAACGCTGATGGTGAAGATGATTGGAAAGTTTCTTGG
 GAGGAAGTCCACATTGCTGGTCAACAATGGATTGGCATTTCGCGAGCCTTGGTGTGGATGGAGGCATTGCACTC
 CGGGCAGGAACCTTTGAGATGCTATTGTGGGACGTTTCATCATGGGTGTGGATGGAGGCATTGCACTCA
 GCGCGCTCCCATGTATCTCAACGAGATCTCACCAAGGAGATCCGGGGCTCTCTGGGCCAGGTGACTGC
 CATCTTCACTGCATTGGCGTGTCTTCTGGACAGTTGCTGGGCCGCCGAGCTGCTGGGAAGGGAGAGC
 ACCTGGCCATACCTGTTCCGGAGTGATCATTGTCCCTGCCTTGGTCCAGCTGGCAAGCCTGCCATTTCTCC
 CTGAGAGCCCACGCTACCTTCTCTTTGAAAAGCAGATGAAGCAGGAGCCATGAAAGCCTTCCAAACATT
 TCTGGGAAAAGCAGATGTCTCCAAGAGCTGGAGGAGGCCCTGGCCGAGAGCCGCGTGAAGGAACCTC
 CGCCTGGTGTCTGTGCTGGAGCTTCTGAGGGCACCCCTTGTCCGCTGGCAGGTATCACGGTCATTATCA
 CCATGGCCAGCTACCAACTATGTGGACTCAATGCGATCTGGTCTACACCAACAGCATCTTTGGGAAAGC
 TGGGATCCCTCAGGACAAGATCCCATACATCACCTGAGCACGGGAGGAATTGAAACACTGGCTGCTATC
 TTCTCTGGCTGGTCACTTGAGCGCTTAGGAAGGAGACCTCTCCTCATTGGTGGCTTCGGGCTGATGGCCC
 TCTTCTTTGGGACCCCTCACCGCAGACTGACCCCTGCAGGACCAAGCTCCCTGGGTCCTTACCTCAGCAT
 TGTGTGCATCTTGGCCATCATTGCCTCGTTCTGCAGCGTCCAGGTGGGATCCCATTTCCTGACCGGA
 GAGTTCTTCCAACAGTCAGAGCGACCGGACGCTTTCATGATCGCAGGCACAGTCAACTGGCTCTCAAAC
 TCGCCGTAGGGCTCCTTTTCCCTTTCATCCAGAAAAGCCTGGACTCCTACTGCTTCTCGTCTTCGCCAC
 AATATGTATCGCAGGTGCTACCTACTTCTATTTTGTCTCCCGGAGACCAAGAACAAGACCCATGCAGAA
 ATCAGCCAGGCATTTGCCAAGAGGAACAAGGCTCAGCCCCAGAGGTGAAGGCTGATTACGCCATGACTG
 AGGAGAAGGCCAACAGCCAGACTGAGCCCGATTTCCTCCACGCTGGACAGCTATGGCCAAAACAAAAT
 TGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG222809 representing NM_001102414
 Red=Cloning site Green=Tags(s)

MDSRELALASLMCDTGGPGELSVGHQRRRTKKWSFSLVVAALVGAFGSSFLYGYNLVSVNAPTPYIKAFY
 NGTWYRRHQPIDPDTLLWSVTVSIFAIGGLVGTLMVKMIGFLGRKSTLLVNNNGFAISAALLMACSL
 RAGTFEMLIVGRFIMGVDGGIALSALPMYLNEISPKEIRGSLGQVTAIFICIGVFSGQLLGLPELLGRES
 TWPYLVFVIVPALVQLASLPFLPESPRYLLFEKHDEAGAMKAFQTLGKADVSQELEEALAESRVQRNL
 RLVSVLELLRAPFVRWQVITVIIITMASYQLCGLNAIWFYTNISIFGKAGIPQDKIPYITLSTGGIETLAAI
 FSGLVIERLRGRRPLLIGGFGLMALFFGTLTATLTLQDQAPWVPYLSIVCILAIIASFCSGPGGIPFILTG
 EFFQQSERPAAFMIAGTVNWL SNFAVGLLFPFIQKSLDSYCFLVFATICIAGATYFYFVLPETKNRTHAE
 ISQAFARNKAQPPEVKADSAMTEEKANSQTEPDSSTLDSYGQNKIV

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001102414

ORF Size: 1614 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

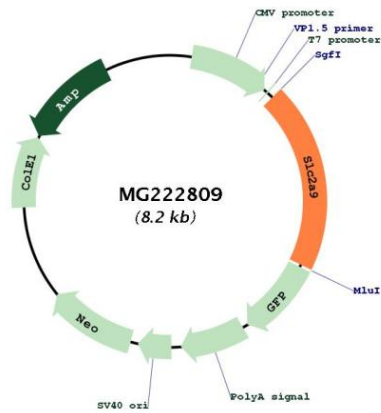
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_001102414.1](#), [NP_001095884.1](#)
 RefSeq Size: 3602 bp
 RefSeq ORF: 1617 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 MG222809