

Product datasheet for **MG222806**

Slc2a9 (NM_001012363) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc2a9 (NM_001012363) 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)



[View online »](#)

ORF Nucleotide Sequence:

>MG222806 representing NM_001012363
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGCTCAGTAAAAGAAGCTCCGCAGAAACCAAGAAAGCCAGCGGAAATGGTCTTCTCGCTCGTCCG
 TGGCAGCTCTCGTGGGAGCCTTCGGTCTCCTCCTCTACGGGTACAACCTCTCCGTGGTGAACCGGCC
 CACGCCGTATATCAAGGCCTTTTACAATGGAACCTGGTACAGGAGGCATGGACAGCCATTGACCCGGAT
 ACCCTGACTCTGCTCTGGTCTGTGACTGTGTCCATATTTGCGATTGGTGGCCTGGTGGGAACGCTGATGG
 TGAAGATGATTGAAAAGTTTCTTGGGAGGAAGTCCACATTGCTGGTCAACAATGGATTTGCCATTGCCGC
 AGCGTTGCTGATGGCATGCTCACTCCGGGCAGGAACCTTTGAGATGCTCATTGTGGGACGGTTCATCATG
 GGTGTGGATGGAGCATTGCACTCAGCGCGCTCCCATGTATCTCAACGAGATCTCACCAAGGAGATCC
 GGGGCTCTCTGGCCAGGTGACTGCCATCTTCATCTGCATTGGCGTGTCTTCTGGACAGTTGCTGGGCCCT
 GCCGGAGCTGCTGGGAAGGGAGAGTACCTGGCCATACCTGTTCCGAGTGATCATTGTCCCTGCCTTGGTC
 CAGCTGGCAAGCCTGCCATTTCTCCCTGAGAGCCACGCTACCTTCTCTTTGAAAAGCACGATGAAGCAG
 GAGCCATGAAAAGCCTTCAAACATTTCTGGGAAAACAGATGTCTCCAAGAGCTGGAGGAGGCCCTGGC
 CGAGAGCCCGCTGCAAAGGAACCTCCGCTGGTGTCTGTGCTGGAGCTTCTGAGGGCACCCCTTTGTCCGC
 TGGCAGGTCAACGCTCATTATCACCATGGCCAGCTACCAACTATGTGGACTCAATGCGATCTGTTCT
 ACACCAACAGCATCTTTGGGAAAGCTGGGATCCCTCAGGACAAGATCCCATACATCACCTGAGCACAGG
 AGGAATTGAAACTGGCTGCTATCTTCTCTGGCTTGGTATTGAGCGCTTAGGAAGGAGACCTCTCCTC
 ATTGGTGGCTTCGGGCTGATGGCCCTCTCTTTGGGACCCTCACCGCAACTGACCCTGCAGGACCAAG
 CTCCTTGGTCCCTTACCTCAGCATTGTGTGCATCTTGGCCATCATTGCCTCGTTCTGCAGCGTCCAGG
 TGGGATCCCATTCCTGACCGGAGAGTCTTCCAACAGTCAGAGCGACCGGCAGCCTTCATGATCGCA
 GGCACAGTCAACTGGCTCTCAAACCTCGCCGTAGGGCTCCTTTTCCCTTTCATCCAGAAAAGCCTGGACT
 CCTACTGCTTCTCGTCTTCGCCACAATATGTATCGCAGGTGCTACCTACTTCTATTTTGTCTCCCGGA
 GACCAAGAACAGAACCCATGCAGAAATCAGCCAGGCATTTGCCAAGAGGAACAAGGCTCAGCCCCCAGAG
 GTGAAGGCTGATTCAGCCATGACTGAGGAGAAGGCCAACAGCCAGACTGAGCCCGATTATCCTCCACGC
 TGGACAGCTATGGCCAAAACAAAATTGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG222806 representing NM_001012363
 Red=Cloning site Green=Tags(s)

MKLSEKNSAETKESQRKWSFSLVVAALVGAFGSSFLYGYNLSVVNAPTPYIKAFYNGTWYRRHGQPIDPD
 TLTLLWSVTVSIFAIGGLVGTLMVKMIGFLGRKSTLLVNNGFAIAAALLMACSLRAGTFEMLIVGRFIM
 GVDGGIALSALPMYLNEISPKEIRGSLGQVTAIFICIGVFSGQLLGLPELLGRESTWPYLFVGVIIIPALV
 QLASLPFLPESPRYLLFEKHDEAGAMKAFQTLGKTDVSEQEELAEASRVQRNLRVSVLELLRAPFVR
 WQVITVIITMASYQLCGLNAIWFYTNISIFGKAGIPQDKIPYITLSTGGIETLAAIFSGLVIERLGRRPLL
 IGGFGLMALFFGTLTATLTLQDQAPWVYPYLSIVCILAIIASFCSPGGIPFILTGEFFQQSERPAAFMIA
 GTVNWLSNFAVGLLFPFIQKSLDSYCFLVFATICIAGATYFYVLPETKNRTHAEISQAFKRKAQPPE
 VKADSAMTEEKANSQTEPDSSSTLDSYQNKIV

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001012363

ORF Size: 1569 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_001012363.2](#), [NP_001012363.2](#)

RefSeq Size: 3403 bp

RefSeq ORF: 1572 bp

Locus ID: 117591

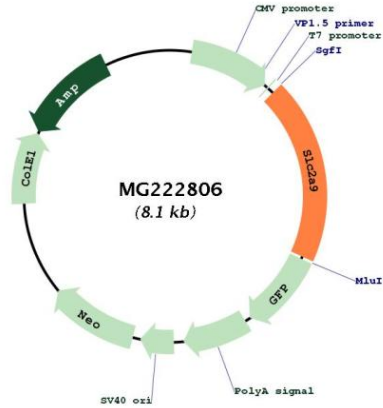
UniProt ID: [Q3T9X0](#)

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 MG222806