

Product datasheet for MR206578

Slc2a9 (NM_145559) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc2a9 (NM_145559) 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)
ORF Nucleotide Sequence:	>MR206578 representing NM_145559 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCTCAGTGAAAAGAACTCCGCAGAAACCAAGGAAAGCCAGCGGAAATGGTCCTTCTCGCTCGTCCG
TGGCAGCTCTCGTGGGAGCCTTCGGGTCTCCTCCTACGGGTACAACCTCTCCGTGGTGAACCGGCC
CACGCCGTATATCAAGGCCTTTTACAATGGAACCTGGTACAGGAGGCATGGACAGCCATTGACCCGGAT
ACCCTGACTCTGCTCTGGTCTGTGACTGTGCCATATTTGCGATTGGTGGCCTGGTGGGAACGCTGATGG
TGAAGATGATTGAAAAGTTTCTGGGAGGAAGTCCACATTGCTGGTCAACAATGGATTTGCCATTTCCGC
AGCGTTGCTGATGGCATGCTCACTCCGGGACAGAACCTTTGAGATGCTCATTGTGGGACGGTTCATCATG
GGTGTGGATGGAGGCATTGCACTCAGCGCGCTCCCATGTATCTCAACGAGATCTCACCCAAGGAGATCC
GGGGCTCTCTGGGCCAGGTGACTGCCATCTTCACTGCATTGGCGTGTCTTCTGGACAGTTGCTGGGCCCT
GCCGGAGCTGCTGGGAAGGATCTGGTCTACACCAACAGCATCTTTGGGAAAGCTGGGATCCCTCAGGAC
AAGATCCCATACATCACCTGAGCACGGGAGGAATTGAAACACTGGCTGCTATCTTCTCTGGCTTGGTCA
TTGAGCGCTTAGGAAGGAGACCTCTCCTCATTGGTGGCTTCGGGCTGATGGCCCTCTTCTTTGGGACCT
CACCGGACACTGACCTGCAGGACCAAGCTCCCTGGGTCCCTACCTCAGCATTGTGTGCATCTTGGCC
ATCATTGCCTCGTCTGCAGCGGTCCAGTGGGATCCCATTATCCTGACCGGAGAGTTCTCCAACAGT
CAGAGCGACCGGACGCTTCATGATCGCAGGCACAGTCAACTGGCTCTCAAACCTCGCCGTAGGGCTCCT
TTTCCCTTTCATCCAGAAAAGCCTGGACTCCTACTGCTTCTCCTCGTCTTCGCCACAATATGTATCGCAGGT
GCTACCTACTTCTATTTTGTCTCCCGGAGACCAAGAACAAGGATGAGGAGGATGAGGAGGATGAGGAGGAT
CCAAGAGGAACAAGGCTCAGCCCCAGAGGTGAAGGCTGATTGAGCCATGACTGAGGAGAAGGCCAACAG
CCAGACTGAGCCCGATTGATCCTCCAGCTGGACAGCTATGGCCAAAACAAAATTGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR206578 representing NM_145559
Red=Cloning site Green=Tags(s)

MKLSEKNSAETKESQRKWSFSLVVAALVGAFGSSFLYGYNLSVVNAPTPYIKAFYNGTWYRRHGQPIDPD
 TLTLLWSVTVSIFAIGGLVGTLMVKMIGKFLGRKSTLLVNNGFATISAALLMACSLRAGTFEMLIVGRFIM
 GVDGGIALSALPMYLNIESPKEIRGSLGQVTAIFICIGVFSGQLLGLPELLGRIWFYTNISIFGKAGIPQD
 KIPYITLSTGGIETLAAIFSGLVIERLRRRPLLIGGFGLMALFFGTLTATLTLQDQAPWVPYLSIVCILA
 IIASFCSGPGGIPFILTGEFFQQSERPAAFMIAGTVNWLNSFAVGLLFPFIQKSLDSYCFLVFATICIAG
 ATYFYFVLPETKNRTHAEISQAFAKRNKAQPPEVKADSAMTEEKANSQTEPDSSSTLDSYGQNKIV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_145559

ORF Size: 1248 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_145559.2](#), [NP_663534.1](#)

RefSeq Size: 3243 bp

RefSeq ORF: 1251 bp

Locus ID: 117591

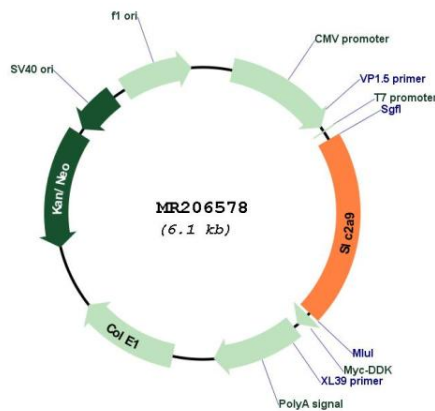
UniProt ID: [Q3T9X0](#)

Cytogenetics: 5 B3

MW: 45.5 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 MR206578