

Product datasheet for **MC217505**

Slc2a9 (NM_001012363) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc2a9 (NM_001012363) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc2a9
Synonyms:	Glut9; SLC2a9A; SLC2A9B
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217505 representing NM_001012363
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGCTCAGTAAAAGAAGCTCCGCAGAAACCAAGAAAGCCAGCGGAAATGGTCTTCTCGCTCGTGC
 TGGCAGCTCTCGTGGGAGCCTTCGGTCTCTCTCTCTACGGGTACAACCTCTCCGTGGTGAACGCGCC
 CACGCCGTATATCAAGGCCTTTTACAATGGAACCTGGTACAGGAGGCATGGACAGCCATTGACCCGGAT
 ACCCTGACTCTGCTCTGGTCTGTGACTGTGTCCATATTTGCGATTGGTGGCCTGGTGGGAACGCTGATGG
 TGAAGATGATTGAAAAGTTTCTTGGGAGGAAGTCCACATTGCTGGTCAACAATGGATTTGCCATTTCCGC
 AGCGTTGCTGATGGCATGCTCACTCCGGGCAGGAACCTTTGAGATGCTCATTGTGGGACGGTTCATCATG
 GGTGTGGATGGAGGCATTGCACTCAGCGCGCTCCCATGTATCTCAACGAGATCTCACCAAGGAGATCC
 GGGGCTCTCTGGCCAGGTGACTGCCATCTTCATCTGCATTGGCGTGTTCCTGGACAGTTGCTGGGCT
 GCCGGAGCTGCTGGGAAGGGAGAGCACCTGGCCATACCTGTTCCGAGTGATCATTGTCCCTGCCTTGGTC
 CAGCTGGCAAGCCTGCCATTTCTCCCTGAGAGCCACGCTACCTTCTCTTTGAAAAGCAGATGAAGCAG
 GAGCCATGAAAGCCTTCAAACATTTCTGGGAAAGCAGATGTCTCCAAGAGCTGGAGGAGGCCCTGGC
 CGAGAGCCCGCTGCAAAGGAACCTCCGCTGGTGTCTGTGCTGGAGCTTCTGAGGGCACCTTTGTCCGC
 TGGCAGGTCAACGCTCATTATCACCATGGCCAGCTACCAACTATGTGGACTCAATGCGATCTGGTTCT
 ACACCAACAGCATCTTTGGGAAAGCTGGGATCCCTCAGGACAAGATCCCATACATCACCCGTAGCACGGG
 AGGAATTGAAACTGGCTGCTATCTTCTCTGGCTTGGTATTGAGCGCTTAGGAAGGAGACCTCTCCTC
 ATTGGTGGCTTCGGGCTGATGGCCCTCTCTTTGGGACCCTCACCGCGACACTGACCCTGCAGGACCAAG
 CTCCTTGGTCCCTTACCTCAGCATTGTGTGCATCTTGGCCATCATTGCCTCGTTCTGCAGCGGTCAGG
 TGGGATCCCATTCCTGACCGGAGAGTTCTTCCAACAGTCAGAGCGACCGGCAGCCTTCATGATCGCA
 GGCACAGTCAACTGGCTCTCAAACCTCGCCGTAGGGCTCCTTTCCCTTTCATCCAGAAAAGCCTGGACT
 CCTACTGTTCTCGTCTTCGCCACAATATGTATCGCAGGTGCTACCTACTTCTATTTTGTCTCCCGGA
 GACCAAGAACAGAACCCATGCAGAAATCAGCCAGGCATTTGCCAAGAGGAACAAGGCTCAGCCCCCAGAG
 GTGAAGGCTGATTCAGCCATGACTGAGGAGAAGGCCAACAGCCAGACTGAGCCCGATTATCCTCCACGC
 TGGACAGCTATGGCCAAAACAAAATTGCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001012363

Insert Size: 1572 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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]

Transcript Variant: This variant (2) differs in the 5' CDS, compared to variant 1. The encoded protein (isoform 2, also known as the long form of mGLUT9b) is shorter and has a distinct N-terminus, compared to isoform 1. Sequence Note: Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript from the same strain was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.