

Product datasheet for **MC204549**

Slc2a2 (NM_031197) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc2a2 (NM_031197) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc2a2
Synonyms:	A1266973; Glut-2; Glut2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC034675
 CCTGGATTAAGAGGACAATTCCACACACACACAATGTCAGAAGACAAGATCACCGAACCTTGGCTTTCA
 CTGTCTTCACTGCTGACTGAGTTCCCTCCAGTTCGGCTATGACATCGGTGTGATCAATGCACCTCAAGA
 GGTAATAATATCCCATTATCGACATGTTTTGGGTGTTCCACTGGATGACCGGAAAGCTGCCATTAACAT
 GACGTCAATGGCAGACACCCCACTTACAGTCACACCAGCATAACACAACACCAGCTCCCTGGGATGAAG
 AGGAGACTGAAGGATCTGCTCACATAGTCACTATGCTCTGGTCTCTGTCTGTGCCAGCTTTGCAGTGGG
 CGGAATGGTCGCCTCATTCTTTGGTGGGTGGCTCGGGGACAAACTTGAAGGATCAAAGCAATGTTGGCT
 GCAAACAGCCTCTCATTGACTGGAGCCCTTTGATGGGATGTTCCAAATTTGGACCGGCACACGCCCTCA
 TCATTGCTGGACGAAGTGTATCAGGACTGTATTGTGGGCTAATTTCAAGACTGGTTCCAATGTACATTGG
 AGAGATCGCTCCAACCACACTCAGGGGTGCCCTGGGACTCTTCCACCACTGGCCCTTGTACAGGCATT
 CTTATTAGTCAGATTGCTGGCCTCAGCTTTATTCTGGGCAATCAGGATCATTGGCACATCTACTTGGCC
 TATCTGCTGTGCCAGCTCTTCTGCAGTGTCTGCTACTGCTCTTCTGTCCAGAAAGCCCCAGATACCTTTA
 TATAAAGTTGGAAGAGGAAGTCAAGGGCAAAGAAAAGCTTGAAGAGACTAAGAGGAACTGAGGATGCACC
 AAAGATATTAATGAGATGAAGAAAGAAAAGGAAGGCATCGACTGAGCAGAAGGTCTCCGTGATCCAGC
 TCTTACGGATGCCAATTACCGACAGCCATCCTCGTGGCGCTGATGCTGCACATGGCCCAGCAGTTCTC
 AGGAATCAATGGGATATTTTACTATTCAACCAGCATTTTTTCAGACAGCTGGCATCAGCCAGCCTGTGTAT
 GCAACCATTGGTGTGGGGCCATCAACATGATCTTACGGCTGTCTCTGTGCTGCTTGTGGAGAAGGCAG
 GGCGGCGGACCCTGTTCCTAACCGGGATGATTGGCATGTTTTTCTGCACCATCTTCATGTCGGTGGGACT
 TGTGCTGCTGGATAAATTCGCCTGGATGAGTTACGTGAGCATGACGGCCATCTTCTCTTTGTCAGTTTC
 TTTGAGATTGGGCCAGGTCCAATCCCTTGGTTCATGGTTGCTGAATTTTTAGCCAAGGACCCCGTCCCTA
 CGGCTCTGGCACTGGCTGCCTTACGCAACTGGGTCTGCAATTTTGTATCGCCCTCTGCTTCCAGTACAT
 TGCGGACTTCTCGGGCCTTACGTGTTCTTCTCTTCTGCTGGGGTGGTCTGGTCTTCCACCTGTTTACA
 TTCTTTAAAGTTCCAGAAACCAAAGGAAAGTCTTTTGGGAAATCGCTGCAGAATTCGGGAAGAAGAGTG
 GTTCGGCCCCACCGCAAGCTGCTGTACAAATGGAATTCCTGGCGTCTTTCAGAGAGTGTGTGAGGATG
 ACCTGCCTAAAACCGAGGAACCGACCAGGAGGAACCGCGCTCCCTCTTAAACCGATTCTTCTCGGT
 GTGCGACTACACCAGGAGTATCGTTTATTCAATTTGGAAGAATTTTTACAGACTCCGATTAGAAATATCA
 ACATATATTATTACCAAAGAAAGTATTTTTTAACTTAAAGAATCTATTTTTGATGGTAACACTTTCAG
 TAAACCAGAGGCTATTTTGTACTCTACAGGGAAGTGTGAATAACCTTCCTAGCCCTGTCTACTGAAA
 TTGAAGAGCTTTCAACATATCGCTGCTTTTTAAAGCACGTGACTAAGAAATCTGCAGCTACAACCTGCTAT
 CTAGATATTTAATTACACCGAATGTTCTTAGCCCCAGATCAGAAGCTAAAGGACATACGGCTGGTGGCA
 GCAAGGCTCACATCAAACCTGACTTTCTGTTACCTTTCCCTCGGCTTCTCTCACTTGGATTAGACTTCGGG
 TTTTGCCTACAGCATTCTTCTGATTTTTATATAGAATTCCTGAGTATGTTAACTGTATTGTAATGAG
 AAACCTTTTTTTATAGCTACAAAAGCTTCCCTACAGTGAGAGAAAACATTTTAGTTTTCTTTGATGATTT
 TGCAAGGTTAAATGCTTGAGTTGTTCTTAGCTGTAGAGCTCAGATTATCAGTTAGTTATATTAGCATCCA
 AAGCATGTTAGTTTCTCACCCTTACAGTCTTTGTGTTGTACTTATACTTGTTTTTTAAATGGCCATGGC
 ACACACTTAAACCATTAGGAGTCAGGCATTTTGCATATTGCCTAAAAATCTAATAAACTGGGTCAATCAC
 AGGGAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_031197

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: [BC034675](#), [AAH34675](#)

RefSeq Size: 2468 bp

RefSeq ORF: 1572 bp

Locus ID: 20526

UniProt ID: [P14246](#)

Cytogenetics: 3 12.19 cM

Gene Summary: Facilitative hexose transporter that mediates the transport of glucose and fructose. Likely mediates the bidirectional transfer of glucose across the plasma membrane of hepatocytes and is responsible for uptake of glucose by the beta cells; may comprise part of the glucose-sensing mechanism of the beta cell. May also participate with the Na(+)/glucose cotransporter in the transcellular transport of glucose in the small intestine and kidney. Also able to mediate the transport of dehydroascorbate.[UniProtKB/Swiss-Prot Function]