

Product datasheet for **MC204180**

Slc2a5 (NM_019741) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc2a5 (NM_019741) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc2a5
Synonyms:	A1526984; Glut5; Slc5a
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC023500
 GAGCCGCAGGCTGCACCTGCAGAGCAACGATGGAGGAAAAACATCAAGAGGAGACAGGGGAGCTGACATT
 GGTCTTGGCTCTGGCAACGCTCATCGCTGCCTTTGGCTCATCCTTCCAATATGGGTACAACGTAGCTGCC
 GTCAACTCTCCCTCAGAGTTCATGCAGCAGTTTTACAATGACACCTACTACGACAGAAATGAGGAGAATA
 TTGAGTCTTACCTTGACGCTGCTGTGGTCCCTGACGGTGTCCATGTTCCCTTTGGGGGCTTTATAGG
 CTCTCTCATGGTTGGAACCTTGGTGAATAAACTGGGCAGAAAAGGGGCCCTGCTGTTCAACAACATATTC
 TCCATCTGCCGGCCATTTAATGGGCTGCAGCCAAATGCCCCAATCGTTTGAGCTAATAATTATTTCCA
 GACTTCTGGTTGGAATCTGTGCAGGTATCTTCCAACGTGGTCCCTATGTACTTAGGGGAGCTGGCCCC
 GAAAAACCTACGAGGGGCTCTGGGAGTGGTCCCCCAACTTTCATCACTGTCGGCATCCTTGTGGCCAG
 CTGTTTGGCCTTCGGAGTCTCTTGGCAAATGAGGATGGCTGGCCAGTTCTCCTGGGTCTAACTGGAGTCC
 CCGCAGGCCTTCAGCTCCTCCTCCTCCCGTTCTTTCCGAGAGCCCCGCTACCTGCTGATCCAGAAGAA
 AGATGAAGCAGCTGCTGAGAGAGCCCTCCAGACCTCCGAGGCTGGAAAGACGTGCACCTAGAGATGGAG
 GAGATCCGGAAGGAGGATGAGGCTGAGAAGGCGGGCTTCATCTGTGTGGAAGTTGTTCACTATGC
 AGTCTCTCCGTTGGCAACTCATCTCCATGATTGCCTCATGGCTGGCCAGCAGCTGTCGGGAGTGAACGC
 GATCTACTACTACGCCGATCAGATCTACCTCAGCGCAGGCGTAAAAGCGACGACGTCCAGTATGTGACA
 GCCGGGACTGGGGCCGTCATGTGTTTCATGACCATCCTACGATCTTTGTGGTAGAGCTTTGGGGACGGC
 GATTCTACTCCTCGTCCGCTTCTCCACCTGCCTCATAGCCTGCTTAGTGTGACGGCCGACTGGCGCT
 GCAGAACCACCTCCTGGATGCCCTATATCAGCATTGTCTGTGTCATTGTCTACGTCTAGGACACGCC
 TTAGGACCCAGCCCCATCCCTGCCCTGCTCATCACTGAGATCTTCTGCAGTCTCCCGCCAGCCGCCCT
 ACATGATCGGAGGCAGTGTCCACTGGCTCTCTAACTTCACTGTGGGGCTCATCTTCCCCTTCAATCAAAT
 GGGCCTCGGTCCCTACAGCTTCAATATCTTTGCAACCATCTGTTTCTCACCACCATCTACATCTTCATG
 GTCGTCCAGAGACCAAGGGCAGGACATTCATTGAGATCAACCAGATTTTTACCATGAAGAACAAGGTGT
 CAGACGTATATCCGAAGAAGGAGGAGGAGCTTGGCGCCCTCCACACGCCATCTTGGAGCAGTAGCAGAG
 CCAGGCCACCAGCCAGCCTGGCCAGTCTGCATGGACCTCCTGTCTAGACGTTGGTTCTGGATTCTTGTCT
 GTGACACTGGAAGGAGATGAGCCTGGTGGAAAGTGTACCCCCGTACCAGGCTCCACTCAGTGGGAAC
 ATCTGCCTGCTTTTGTGCTTCTGCTGTCTCTAACTATAGAGGCCAGTCATAGGCTCTTGGTCTCGTGC
 AAAGCCATCCCTTGCTTTACCGGGTTGACTCTGGTGAGGGTCTTGTAAACATCGTTTTTCTAACAAAAAG
 AGTTGCTGCAAGACCAGATGTGATGATCATATTTACCAGCAAACTGACTCTTGTGTGTTCCCGTGGG
 CCTGGAGAGAACTCTGGCATCTACTGGGATTGATGTTGTCTTCTTCCCTACCCAGCCATGTCATAAAG
 TGGGGGAACAGGCCATTTGCGAAGACACACTGAGCGTGGATTATTAAGTGAAGCGATACTACTTTGTAT
 AACCAATAAAACAGATATGATCACTTCTCAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_019741

Insert Size: 1506 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: [BC023500](#), [AAH23500](#)

RefSeq Size: 2080 bp

RefSeq ORF: 1506 bp

Locus ID: 56485

UniProt ID: [Q9WV38](#)

Cytogenetics: 4 E2

Gene Summary: Functions as a fructose transporter that has only low activity with other monosaccharides (PubMed:12031501, PubMed:19091748). Can mediate the uptake of deoxyglucose, but with low efficiency (By similarity). Essential for fructose uptake in the small intestine (PubMed:19091748, PubMed:26071406). Plays a role in the regulation of salt uptake and blood pressure in response to dietary fructose (PubMed:19091748). Required for the development of high blood pressure in response to high dietary fructose intake (PubMed:19091748).[UniProtKB/Swiss-Prot Function]