

Product datasheet for **MC217632**

Slc2a10 (NM_130451) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Slc2a10
Synonyms:	AA450473; Glut1; Glut10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF: >MC217632 representing NM_130451
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGCCTTCGCCCAGCTGTCTCCTGCTCTGTGCCTCTGTGTCTTTGCTGGGGGCTGACCTTCGGAT
 ATGAGCTGGCCGTATATCTGGTGCCTCCTACCACTCCAGCTGAACCTCGGGCTGAGTTGCCTCGAACA
 GGAGCTCCTGGTGGGAGTCTGCTCTTGGGTGCTCTCTCGCTCCCTTGTGCGGGGCTTCCTATTGAC
 TGCTATGGCAGGAGACGAGCCATCTAGGGAGCAATGCGGTGCTGCTGGCTGGCAGCCTGATTCTGGGT
 TGGCCAGCTCCCTGCCCTGGCTGCTCTGGGCCGTTTATCTGTTGGCTTTGCCATCTCTGTCTTCCAT
 GGCTTGCTGTATCTACGTGTCAGAATTGGTGGGGCCGCGCAGAGGGGTGTGCTGGTGTCCCTCTACGAG
 GTGGGCATCACTGTGGCATTCTGTTCTCTTACGGCCTCAACTACGTCCTGGCTGGCAGCCCTTGGGGCT
 GGAGGCACATGTTTGGCTGGGAGCTGCACCTGCTCTCTACAGTCACTCAGCCTCTTTCTTCTCCCTGC
 TGGTGCAGAGGGCACAGCAGCCCCAAAGACCTTATCCCACTCCAGGGAAGGGAGACAAGCAAACCGGGC
 CTGGTGAAGCCACAGTACAGCTTTCTGGACCTCTTACGGGCCAGGACGGCATGTGGAGCCGGACTGTAG
 TGGGGCTGGGGCTGGTGTGTTTACAGAGCTCAGAGGACAGCCCAATGTGCTGTATTACGCCTCTACCAT
 CTTTCGCTCCGTTGGCTTCCACGGGGCTCCTCAGCTGTGCTGGCTTCTGTGGGGCTTGGCACGGTGAAG
 GTGGCTGCCACCTTGGTCGCCACGGGGCTGGTGGACCTGCAGGCCGAGAGTCTCCTGCTCTTTGGAT
 GCGCTCATGGCCTTATCGGTGACGCGCATAGGCCTGGTCAGCTTTGCTGTGCTCCCTGGACTCTGGACC
 CAGCTGCCTGGCCACATCCAATGCCAGCCAGCAGGTGGATCTGCCTGGAAGCTCGGGTTTGTCTGTGCT
 TCATCTCTGCCCGAGTGTACACACCAATGGGGACCAAGGACAGCTGGTCTGTGCTCACTGAGAGAC
 CCATCCATCCAGTCATCAGCATCCCTGGGACAGTTCTGAACACTGCCTCCCAAGTCCCAACAGTCC
 CATCCTTGAGCATACCCTGCTGTGCTGGTCTGCGCTGGTTTGCATGATGGTCTACGTGAGCGCCTTCTCG
 GTTGGCTTTGGACAGTAACCTGGTTGGTCTCAGTGAGATCTACCCAGCGGAGATCCGAGGGAGAGCCT
 TCGCCTTCTGCAGCAGCTTCACTGGGAGCTAACCTCTTTATCAGCCTCTCCTTCTCGACCTGATCGG
 TGCCATCGGCTTGGCTTGGACCTTCTGCTCTATGGGCTGACCGCTGCTTGGCTGGCTTTCATCTAC
 CTACTTGTCTGAAACCAAGGACAGTCTTTAGCTGAAATAGAGCAGCAGTTTCAGACAAGCAGGTTCC
 CTCTAAACTTTGGCCATAGGACGCGCATCGGTATTAGTACCATCGCCTGGATGTCTCCTCAGCCTCCTG
 A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_130451

Insert Size: 1611 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_130451.3, NP_569718.1</u>
RefSeq Size:	3434 bp
RefSeq ORF:	1611 bp
Locus ID:	170441
UniProt ID:	<u>Q8VHD6</u>
Cytogenetics:	2 85.66 cM
Gene Summary:	This gene encodes a class III facilitative glucose transporter. Mutations in the related gene in human are associated with arterial tortuosity syndrome. [provided by RefSeq, Dec 2013]