

## Product datasheet for **MC216493**

### **Slc2a8 (NM\_019488) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc2a8 (NM_019488) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc2a8
Synonyms:	D2Ertd44e; GLUT8; GlutX1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216493 representing NM\_019488  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCTCCCGAGGACCCCGAGGAGACGACGCCGCTATTGCGGCCACCGAAGCCAGGACTCCCCGCGGCC  
 GCCGGGTCTTCTCGCTTCTTCCGCGCCGCTCTGGGACCCCTCAGCTTCGGCTTCGCGCTCGGCTACAG  
 CCCCCGCCATCCCCAGCCTGCGGCGCACCGCACCCCGGCCCTGCGCCTCGGAGACAATGCGGCCTCC  
 TGGTTCGGGGCCGTCGTGACCCTGGGCGCTGCTGCAGGGGGCATACTGGGCGGCTGGCTCCTGGACCGTG  
 CAGGGCGCAAGCTGAGCCTTTGCTCTGCACCGTGCCCTTCGTGACTGGCTTTGTGTATCACCAGCGGC  
 CCGGGATGTGTGGATGCTGCTCGGAGGCCCTCCTCACCAGCCTTGCCTGCGGAGTGCCTCACTAGTG  
 GCACCGGTTTACATCTCGAAATCGCCTACCCAGCTGTCCGAGGACTGCTCGGCTCCTGTGTGCAGCTGA  
 TGGTTGCACTGGCATCCTCCTGGCCTATGTGGCAGGCTGGGTCTAGAGTGGCGCTGGCTGGCCGTGCT  
 GGGCTGTGTGCCCCACCTCATGCTGCTGCTCATGTGTACATGCCCGAGACCCACGTTTTCTCCTC  
 ACTCAACACCACTACCAGGAGGCCATGGCTGCCTTGCCTTCTGTGGGGCTCTGAGGAGGGCTGGGAAG  
 AGCCCCCTGTTGGGGCTGAGCACCAAGGGCTTCCAGCTGGCCCTGCTGAGGCGCCCTGGCATCTACAAGCC  
 CCTCATCATCGGCATTTCCCTCATGGTCTTCCAGCAGCTGTGAGGGTCAATGCTATCATGTTCTATGCC  
 AACAGCATCTTCGAGGAGGCCAAGTTCAAGGACAGCAGCCTGGCCTCGGTCACTGTGGGCATAATCCAGG  
 TCCTGTTCACTGCTGTGGCGCCCTCATCATGGACAGAGCAGGGCGAAGGCTGCTCCTGGCCTGTGCGGG  
 TGTGATCATGGTTCAGTATGAGTGCCTTTGGTACCTACTTCAAAGTCAAGGAGGCTGGCCTGGCTGG  
 TCCTCCACGTAGGCCTGGTCCCATCGCGCGGAGCCTGTGGATGTCCAAGTGGGACTGGCCTGGCTGG  
 CTGTAGGCAGCATGTGCCTCTTATTGCTGGCTTTGCGGTGGGCTGGGGACCCATCCCTGGCTCCTCAT  
 GTCAGAGATCTTCCCTCTGCATGTCAAGGGTGTGGCTACCGGCATCTGTGTCCTACCAACTGGTTCATG  
 GCCTTTCTAGTGACCAAAGATTGAGCAGCGTCACTGGAGATGCTCAGACCCACCGTGCCTTCTGGCTCA  
 CCGCTGCCTTCTGCGCTCTCAGTGTCTATTACACTGACCGTTGTCCTGAGACTAAAGGCAGGACTCT  
 GGAACAAGTCACAGCCATTTTCGAGGGACGATGA

**ACCGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_019488
- Insert Size:** 1434 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\\_019488.4](#), [NP\\_062361.1](#)

RefSeq Size: 2083 bp

RefSeq ORF: 1434 bp

Locus ID: 56017

UniProt ID: [Q9JIF3](#)

Cytogenetics: 2 22.09 cM

**Gene Summary:** Insulin-regulated facilitative hexose transporter that mediates the transport of glucose and fructose (PubMed:10821868, PubMed:10860996, PubMed:23396969). Also able to mediate the transport of dehydroascorbate (PubMed:23396969).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).