

## Product datasheet for **SC333091**

### GLUT8 (SLC2A8) (NM\_001271712) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** GLUT8 (SLC2A8) (NM\_001271712) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** GLUT8  
**Synonyms:** GLUT8; GLUTX1  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC333091 representing NM\_001271712.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGTCGTCGTCGGCATCCTCCTGGCCTACCTGGCAGGCTGGGTGCTGGAGTGGCGCTGGCTGGCTGTG
CTGGGCTGCGTGCCCCCTCCCTCATGTGCTTCTCATGTGCTTCATGCCGAGACCCCGCCTTCTG
CTGACTCAGCACAGGCGCCAGGAGGCCATGGCCGCCCTGCGGTTCTGTGGGGCTCCGAGCAGGGCTGG
GAAGACCCCCCATCGGGGCTGAGCAGAGCTTTCACCTGGCCCTGCTGCCGAGCCCGGCATCTACAAG
CCCTTCATCATCGGCGTCTCCCTGATGGCCTTCCAGCAGCTGTCCGGGGTCAACGCCGTCATGTTCTAT
GCAGAGACCATCTTTGAAGAGGCCAAGTCAAGGACAGCAGCCTGGCCTCGGTCGTCGTTGGTGTGCATC
CAGGTGCTGTTACAGCTGTGGCGGCTCTCATCATGGACAGAGCAGGGCGGAGGCTGCTCCCTGGTCTTG
TCAGGTGTGGTCATGGTGTTCAGCACGAGTGCCTTCGGCCCTACTTCAAGCTGACCCAGGGTGGCCCT
GGCAACTCCTCGCACGTGGCCATCTCGGCGCCTGTCTGTCACAGCCTGTTGATGCCAGCGTGGGGCTG
GCCTGGCTGGCCGTGGGAGCATGTGCCTTTCATCGCCGGCTTTCGGGTGGGCTGGGGGCCATCCCC
TGGCTCCTCATGTGAGAGATCTCCCTCTGCATGTCAAGGGCGTGGGACAGGCATCTGCGTCTCACC
AACTGGCTCATGGCCTTCTCGTGACCAAGGAGTTCAGCAGCCTCATGGAGGTCCTCAGGCCCTATGGA
GCCTTCTGGCTTGCCCTCGCTTCTGTCATCTTCAGTGTCTTTTCACTTTGTTCTGTGTCCTGAAACT
AAAGGAAAGACTCTGGAACAAATCACAGCCCATTTTGAGGGGCGATGA
  
```

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001271712  
**Insert Size:** 945 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).



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**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\\_001271712.1](#)

**RefSeq Size:** 1806 bp

**RefSeq ORF:** 945 bp

**Locus ID:** 29988

**UniProt ID:** [Q9NY64](#)

**Cytogenetics:** 9q33.3

**Protein Families:** Transmembrane

**MW:** 34.4 kDa

**Gene Summary:** This gene belongs to the solute carrier 2A family, which includes intracellular glucose transporters. Based on sequence comparison, the glucose transporters are grouped into three classes and this gene is a member of class II. The encoded protein, like other members of the family, contains several conserved residues and motifs and 12 transmembrane domains with both amino and carboxyl ends being on the cytosolic side of the membrane. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Nov 2012]

Transcript Variant: This variant (3) lacks two alternate exons in the 5' coding region and uses a downstream start codon compared to variant 1. It encodes isoform 3 which has a shorter N-terminus compared to isoform 1.