

Product datasheet for **SC333090**

GLUT8 (SLC2A8) (NM_001271711) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: GLUT8 (SLC2A8) (NM_001271711) Human Untagged Clone
Tag: Tag Free
Symbol: GLUT8
Synonyms: GLUT8; GLUTX1
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC333090 representing NM_001271711.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGACGCCCGAGGACCCAGAGGAAACCCAGCCGCTTCTGGGGCCTCCTGGCGGCAGCGCGCCCGCGGC
CGCCGCGTCTTCTCGCCGCTTCGCCGCTGCCCTGGGCCACTCAGCTTCGGCTTCGGCTCGGCTAC
AGCTCCCCGGCCATCCCTAGCCTGCAGCGCGCCGCCCCGGCCCCGGCCCTGGACGACGCCGCCGCC
TCCTGGTTCGGGGCTGTCGTGACCCTGGGTGCCGCGGGGGGAGTGTGGCGGCTGGCTGGTGGAC
CGCGCCGGGCGCAAGCTGAGCCTTTGCTGTGCTCCGTGCCCTTCGTGGCCGGCTTGGCGTCATACC
GGGCCAGGACGTGTGGATGCTGCTGGGGGGCCGCTCCTCACCGCCCTGGCCTGCGGTGTTGCCTCC
CTAGTGGCCCCGGTCTACATCTCCGAAATCGCCTACCCAGCAGTCCGGGGTTGCTCGGCTCCTGTGTG
CAGCTAATGGTTCGTGTCGGCATCCTCCTGGCCTACCTGGCAGGCTGGGTGCTGGAGTGGCGCTGGCTG
GCTGTGCTGGGCTGCGTGCCCCCTCCCTCATGCTGCTTCTCATGTGTTTCATGCCCGAGACCCCGCGC
TTCTGCTGACTCAGCACAGGCGCCAGGAGGCCATGGCCGCCCTGCGGTTCTGTGGGGCTCCGAGCAG
GGCTGGGAAGACCCCCCATCGGGGCTGAGCAGAGCTTTCACCTGGCCCTGCTGCGGCAGCCCGGCATC
TACAAGCCCTTCATCATCGCGTCTCCCTGATGGCCTTCCAGCAGCTGTGGGGGTAACGCCGTCATG
TTCTATGCAGAGACCATCTTTGAAGAGGCCAAGTTCAAGGACAGCAGCCTGGCCTCGTTCGTGGGT
GTCATCCAGGTGCTGTTACAGCTGTGGCGGCTCATCATGGACAGAGCAGGGCGGAGGCTGCTCCTG
GTCCTGTCAGGTGTTGTCATGGTGTTCAGCACAGTGCCTTCGGCGCCTACTTCAAGCTGACCCAGGGT
GGCCCTGGCAACTCCTCGCACGTGGCCATCTCGGCGCCTGTCTCTGCACAGCCTGTTGATGCCAGCGTG
GGGCTGGCCTGGCTGGCCGTGGCAGCATGTGCCTCTTCATCGCCGAGGCTCCTCAGGCCATATGGAGC
CTTCTGGCTTGCCTCCGCTTTCTGCATCTTCAGTGCCTTTTCACTTTGTTCTGTGTCCCTGA
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001271711
Insert Size: 1236 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).



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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:	<ol style="list-style-type: none">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:	<u>NM_001271711.1</u>
RefSeq Size:	2030 bp
RefSeq ORF:	1236 bp
Locus ID:	29988
UniProt ID:	<u>Q9NY64</u>
Cytogenetics:	9q33.3
Protein Families:	Transmembrane
MW:	43.5 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an exon in the coding region, which results in a frameshift and an early stop codon, compared to variant 1. The encoded isoform 2 is shorter and has a distinct C-terminus, compared to isoform 1.</p>