

## Product datasheet for **SC319239**

### **GLUT9 (SLC2A9) (NM\_001001290) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GLUT9 (SLC2A9) (NM_001001290) Human Untagged Clone
Tag:	Tag Free
Symbol:	GLUT9
Synonyms:	GLUT9; GLUTX; UAQTL2; URATv1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_001001290.1  
 GTTGGCTCTAGGGCTGGCACCAGGCACTGGAATTAACATTCTGGACTCCAGAGGGGCAT  
 GAAAACCTTCTCTGAAGGAGATGCAGAGGAAGATTCGAACTGGAGGAAAACCTAAAATA  
 AACAAACAACAAAAGTTCAAACCTGAAAAGTGAACCATGAAGCTCAGTAAAAAGGAC  
 CGAGGAGAAGATGAAGAAAAGTATTGAGCGAAAAAGAAATGGACTGGTCTGCTCGCTC  
 CTCGTGGCCTCCCTCGCGGGCGCCTTCGGCTCCTCCTTCTCTACGGCTACAACCTGTCTG  
 GTGGTGAATGCCCCACCCCGTACATCAAGGCCCTTTTACAATGAGTCATGGGAAAGAAGG  
 CATGGACGTCCAATAGACCCAGACACTCTGACTCTGCTCTGGTCTGTGACTGTGTCCATA  
 TTCGCCATCGGTGGACTTGTGGGGACATTAATTGTGAAGATGATTGAAAAGGTTCTTGGG  
 AGGAAGCACACTTTGCTGGCCAATAATGGGTTTGAATTTCTGCTGCATTGCTGATGGCC  
 TGCTCGCTCCAGGCAGGAGCCTTTGAAATGCTCATCGTGGGACGCTTCATCATGGGCATA  
 GATGGAGGCGTCGCCCTCAGTGTGCTCCCCATGTACCTCAGTGAGATCTCACCAAGGAG  
 ATCCGTGGCTCTCTGGGGCAGGTGACTGCCATCTTTATCTGCATTGGCGTGTCTACTGGG  
 CAGCTTCTGGGCCTGCCGAGCTGCTGGGAAAGGAGAGTACCTGGCCATACCTGTTTGGG  
 GTGATTGTGGTCCCTGCCGTTGTCCAGCTGCTGAGCCTTCCCTTCTCCCGGACAGCCCA  
 CGCTACCTGCTCTTGAGAAGCACAACGAGGCAAGAGCTGTGAAAGCCTTCCAAACGTTC  
 TTGGGTAAAGCAGACGTTTCCCAAGAGGTAGAGGAGGTCCTGGCTGAGAGCCGCTGCGAG  
 AGGAGCATCCGCCTGGTGTCCGTGCTGGAGCTGCTGAGAGCTCCCTACGTCGCTGGCAG  
 GTGGTCACCGTGATTGTCAACATGGCCTGCTACCAGCTCTGTGGCCTCAATGCAATTTGG  
 TTCTATAACCAACAGCATCTTTGGAAAAGCTGGGATCCCTCTGGCAAAGATCCCATACGTC  
 ACCTTGAGTACAGGGGCATCGAGACTTTGGCTGCCGCTTCTCTGGTTTGGTCAATTGAG  
 CACCTGGGACGGAGACCCTCCTCATTGGTGGCTTTGGGCTCATGGGCCTCTTCTTTGGG  
 ACCCTCACCATCAGCTGACCCTGCAGGACCACGCCCTGGGTCCTTACCTGAGTATC  
 GTGGGCATTCTGGCCATCATCGCCTCTTTCTGCACTGGGCGAGGTGGCATCCCGTTCATC  
 TTGACTGGTGAGTTCTTCCAGCAATCTCAGCGCCGGCTGCCTTTCATCATTGCAGGCACC  
 GTCAACTGGCTCTCCAATTTGCTGTTGGGCTCCTCTTCCATTTCAGAAAAGTCTG  
 GACACCTACTGTTTCTAGTCTTTGCTACAATTTGTATCACAGGTGCTATCTACCTGTAT  
 TTTGTGCTGCCTGAGACCAAAAACAGAACCTATGCAGAAATCAGCCAGGCATTTTCCAAA  
 AGGAACAAAGCATACCCACCAGAAGAGAAAATCGACTCAGCTGCTACTGATGGTAAGATA  
 AATGGAAGGCCTTAACAAGTTTCTCCTCCACGTTGGACAATTATGTCAAAAACAGGATT  
 GTCTACATGGATGATCTCACTTTTTCAGGAACTTAAAATTTACCCATTATTGGGAAGCTT  
 AAATGAATTGAAGCTATGCAAGCTTTTATATTATTAATATTTAAAAGTAAACCTGTAC  
 TAATCTAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_001001290

**Insert Size:** 1900 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001001290.1, NP_001001290.1</u>
<b>RefSeq Size:</b>	1885 bp
<b>RefSeq ORF:</b>	1536 bp
<b>Locus ID:</b>	56606
<b>UniProt ID:</b>	<u>Q9NRM0</u>
<b>Cytogenetics:</b>	4p16.1
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>This gene encodes a member of the SLC2A facilitative glucose transporter family. Members of this family play a significant role in maintaining glucose homeostasis. The encoded protein may play a role in the development and survival of chondrocytes in cartilage matrices. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2), also known as GLUT9deltaN, contains alternate in-frame segments in the 5' UTR and coding region and uses a different start codon, compared to variant 1. Isoform 2 has a shorter N-terminus, compared to isoform 1.</p>