

Product datasheet for **SC122887**

GLUT9 (SLC2A9) (NM_020041) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GLUT9 (SLC2A9) (NM_020041) Human Untagged Clone
Tag:	Tag Free
Symbol:	GLUT9
Synonyms:	GLUT9; GLUTX; UAQTL2; URATv1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_020041 edited
 CTTCCAGTGGACTCTGCCTCCTCACTCACGGAAATGCCTTGGCAGAGTCTGGGGTCCCTGGACTGAGCCA
 TCAGCTGGGTCACTGAGACCCATGGCAAGGAAACAAAATAGGAATTCCAAGGAACTGGGCCTAGTCCCC
 TCACAGATGACACCAGCCACGCCAGGCCTCCAGGGCCAGGGAGGGCACTGCTGGAGTGTGACCACCTGAG
 GAGTGGGTGCCAGGTGGAAGGAGAAGAAAGGACTGGTCTGCTCGCTCCTCGTGGCCTCCCTCGCGGGC
 GCCTTCGGCTCCTCCTTCTACGGCTACAACCTGTGGTGGTGAATGCCCCACCCCGTACATCAAGG
 CCTTTTACAATGAGTCATGGGAAAGAAGGCATGGACGTCCAATAGACCCAGACACTGACTCTGCTCTG
 GTCTGTGACTGTGCCATATTCGCCATCGGTGGACTTGTGGGGACATTAATTGTGAAGATGATTGGAAAG
 GTTCTTGGGAGGAAGCACACTTTGCTGGCCAATAATGGGTTTGAATTTCTGCTGCATTGCTGATGGCCT
 GCTCGCTCCAGGCAGGAGCCTTTGAAATGCTCATCGTGGGACGCTTCATCATGGGCATAGATGGAGGCGT
 CGCCCTCAGTGTGCTCCCATGTACCTCAGTGAGATCTCACCCAAGGAGATCCGTGGCTCTCTGGGGCAG
 GTGACTGCCATCTTTATCTGCATTGGCGTGTTCAGTGGGAGCTTCTGGGCTGCCCGAGCTGCTGGGAA
 AGGAGAGTACCTGGCCATACCTGTTGGAGTGATTGTGGTCCCTGCCGTTGTCCAGCTGCTGAGCCTTCC
 CTTTCTCCCGACAGCCACGCTACCTGCTCTTGGAGAAGCACAAAGAGGCAAGAGCTGTGAAAGCCTTC
 CAAACGTTCTTGGGTAAGCAGACGTTTCCCAAGAGGTAGAGGAGTCCCTGGCTGAGAGCCGCGTGCAGA
 GGAGCATCCGCTGGTGTCCGTGCTGGAGCTGCTGAGAGCTCCCTACGTCGCTGGCAGGTGGTACCCGT
 GATTGTACCATGGCCTGCTACCAGCTCTGTGGCCTCAATGCAATTTGGTTCTATACCAACAGCATCTTT
 GGAAAAGCTGGGATCCCTCTGGCAAAGATCCCATACGTACCTTGAGTACAGGGGGCATCGAGACTTTGG
 CTGCCGCTTCTCTGGTTTGGTCATTGAGCACCTGGGACGGAGACCCCTCCTCATTGGTGGCTTTGGGCT
 CATGGGCTCTTCTTTGGGACCCACCATCACGCTGACCCTGCAGGACCACGCCCCCTGGGTCCCTAC
 CTGAGTATCGTGGCATTCTGGCCATCATCGCCTTTTCTGCAGTGGGCCAGGTGGCATCCCGTTTATCT
 TGACTGGTGAGTCTTCCAGCAATCTCAGCGCCGGCTGCCTTCATCATTGCAGGCACCTCAACTGGCT
 CTCCAACCTTGGTGGGCTCCTTCCATTTCAGAAAAGTCTGGACACCTACTGTTTCTAGTC
 TTTGCTACAATTTGTATCACAGGTGCTATCTACCTGTATTTTGTGCTGCCTGAGACCAAAAACAGAACCT
 ATGCAGAAATCAGCCAGGCATTTTCCAAAAGGAACAAAGCATACCCACCAGAAAGAAAAATCGACTCAGC
 TGTCACTGATGGTAAGATAAATGGAAGGCCTTAACAAGTTTCTCCTCCACGTTGGACAATTATGTCAAA
 AACAGGATTGTCTACATGGATGATCTACTTTTTCAGGAAACTTAAATTTACCCATTATTGGGAAGCTTA
 AATGAATTGAAGCTATGCAAGTCTTTTATATTATTAATTTTAAAGTAAACCTGTACTAATCTAAAAA
 AA

Restriction Sites: Please inquire

ACCN: NM_020041

Insert Size: 1900 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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).
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_020041.2</u> , <u>NP_064425.2</u>
RefSeq Size:	1874 bp
RefSeq ORF:	1623 bp
Locus ID:	56606
UniProt ID:	<u>Q9NRM0</u>
Cytogenetics:	4p16.1
Protein Families:	Transmembrane
Gene Summary:	<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 (1) represents the shorter transcript, and encodes the longer isoform (1).</p>