

Product datasheet for **SC325657**

Glucose Transporter 5 GLUT5 (SLC2A5) (NM_001135585) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glucose Transporter 5 GLUT5 (SLC2A5) (NM_001135585) Human Untagged Clone
Tag:	Tag Free
Symbol:	Glucose Transporter 5 GLUT5
Synonyms:	GLUT-5; GLUT5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_001135585 edited CCTTCCAGAGCAAGCATGGAGCAACAGGATCAGAGCATGAAGGAAGGGAGGCTGACGCTT GTGCTTGCCTGGCAACCCTGATAGCTGCCTTTGGGTCATCCTTCCAGTATGGGTACAAC GTGGCTGCTGTCAACTCCCCAGCACTGCTCATGCAACAATTTACAATGAGACTTACTAT GGTAGGACCGGTGAATTCATGGAAGACTTCCCCTTGACGTTGCTGTGGTCTGTAACCGTG TCCATGTTTCCATTTGGAGGGTTTATCGGATCCCTCCTGGTCGGCCCTTGGTGAATAAA TTTGGCAGAAAAGGGCCTTGCTGTTCAACAACATATTTTCTATCGTGCCTGCGATCTTA ATGGGATGCAGCAGAGTCGCCACATCATTTGAGCTTATCATTATTTCCAGACTTTTGGTG GGAATATGTGCAGGTGTATCTTCCAACGTGGTCCCATGTAAGGGGAGCTGGCCCT AAAAACCTGCGGGGGCTCTCGGGTGGTCCCCAGCTTTCATCACTGTTGCCATCCTT GTGGCCAGATCTTTGGTCTTCGGAATCTCCTTGCAAACGTAGATGGTGAGTTCAGGACA TCTCGGGAGCACCCACCCCTTCACTACTACCCTTGGCCCTCCTTGTGTTCCAAAGC CACCACCACAGGACAGGACTTTCTGCAGACTGGTCTCTTCTAACAGGCTGGATGTCTTG GGGGCCCATCCTGTCCCAGCCAACATAG
Restriction Sites:	Please inquire
ACCN:	NM_001135585
Insert Size:	800 bp



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OTI Disclaimer:	<p>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.</p> <p>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</p>
OTI Annotation:	<p>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.</p>
Components:	<p>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).</p>
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_001135585.1, NP_001129057.1</u>
RefSeq Size:	1280 bp
RefSeq ORF:	735 bp
Locus ID:	6518
UniProt ID:	<u>P22732</u>
Cytogenetics:	1p36.23
Protein Families:	Transmembrane
Gene Summary:	<p>The protein encoded by this gene is a fructose transporter responsible for fructose uptake by the small intestine. The encoded protein also is necessary for the increase in blood pressure due to high dietary fructose consumption. [provided by RefSeq, Jun 2016]</p> <p>Transcript Variant: This variant (2) differs in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus compared to isoform 1.</p>