

Product datasheet for **SC308084**

Glyt1 (SLC6A9) (NM_201649) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glyt1 (SLC6A9) (NM_201649) Human Untagged Clone
Tag:	Tag Free
Symbol:	Glyt1
Synonyms:	GCENSG; GLYT1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_201649 edited
 ATGAGCGGCGGAGACACGCGGGCTGCGATCGCTCGCCCCAGGATGGCCGCGGCTCATGGA
 CCTGTGGCCCCCTCTTCCCCAGAACAGGTGACGCTTCTCCCTGTTTCAGAGATCCTTCTTC
 CTGCCACCCTTTTCTGGAGCCACTCCCTCTACTTCCCTAGCAGAGTCTGTCTCAAAGTC
 TGGCATGGGGCCTACAACCTCTGGTCTCCTTCCCCAACTCATGGCCAGCACTCCCTAGCC
 ATGGCCAGAATGGTGTGTGCCCAGCGAGGCCACCAAGAGGGACCAGAACCTCAAACGG
 GGCAACTGGGGCAACCAGATCGAGTTTGTACTGACGAGCGTGGGCTATGCCGTGGGCCTG
 GGCAATGTCTGGCGCTTCCCATACCTCTGCTATCGCAACGGGGAGGCGCCTTCATGTTCC
 CCTACTTTCATCATGCTCATCTTCTGCGGGATCCCCCTCTTCTTCATGGAGCTCTCCTTC
 GGCCAGTTTGAAGCCAGGGGTGCCTGGGGGTCTGGAGGATCAGCCCCATGTTCAAAGGA
 GTGGGCTATGGTATGATGGTGGTGTCCACCTACATCGGCATCTACTACAATGTGGTCATC
 TGCATCGCCTTCTACTACTTCTTCTCGTCCATGACGCACGTGCTGCCCTGGGCCTACTGC
 AATAACCCCTGGAACACGCATGACTGCGCCGGTGTACTGGACGCCTCAAACCTACCAAT
 GGCTCTCGGCCAGCCGCTTGGCCAGCAACCTCTCCACCTGCTCAACCACAGCCTCCAG
 AGGACCAGCCCCAGCGAGGAGTACTGGAGGCTGTACGTGCTGAAGCTGTCAGATGACATT
 GGGAACTTTGGGAGGTGCGGCTGCCCTCCTTGCTGCCTCGGTGTCTCCTGGTTGGTC
 GTCTTCTCTGCCTCATCCGAGGGGTCAAGTCTTCAGGGAAAGTGGTGTACTTACCGGCC
 ACGTTCCCCTACGTGGTGTGACCATTTCTGTTTGTCCGCGGAGTGACCCTGGAGGGAGCC
 TTTGACGGCATCATGACTACCTAACCCCGCAGTGGGACAAGATCCTGGAGGCCAAGGTG
 TGGGGTGTGCTGCCCTCCAGATCTTCTACTACTGGGCTGCGCGTGGGGAGGCCATC
 ACCATGGCTTCTACAACAAGTCCACAATAACTGTTACCGGGACAGTGTATCATCAGC
 ATCACCAACTGTGCCACCAGCGTCTATGCTGGCTTCGTCATCTTCTCCATCCTCGGCTTC
 ATGGCCAATCACCTGGGCGTGGATGTGTCCCGTGTGGCAGACCACGGCCCTGGCTGGCC
 TTCGTGGCTTACCCCGAGGCCCTCACACTACTTCCCATCTCCCCGCTGTGGTCTCTGCTC
 TTCTTCTTCATGCTTATCCTGCTGGGGTGGGCACTCAGTTCTGCCTCCTGGAGACGCTG
 GTCACAGCCATTGTGGATGAGGTGGGAATGAGTGGATCCTGCAGAAAAAGACCTATGTG
 ACCTTGGGCGTGGCTGTGGCTGGCTTCTGCTGGGCATCCCCCTCACCAGCCAGGAGGC
 ATCTATTGGTGTGCTGATGGACAATATGCGGCCAGCTTCTCCTTGGTGGTATCTCC
 TGCATCATGTGTGGCCATCATGTACATCTACGGGCACCGGAATACTTCCAGGACATC
 CAGATGATGCTGGGATCCCACCACCCCTTTCTTTTTCAGATCTGTGGCGCTTCTGCTCT
 CCCGCCATCATCTTTTATTCTAGTTTTCACTGTGATCCAGTACCAGCCGATCACCTAC
 AACCACTACCAAGTACCCAGGCTGGGCCGTGGCCATTGGCTTCTCATGGCTCTGTCTCC
 GTCCTCTGCATCCCCCTTACGCCATGTTCCGGCTCTGCCGCACAGACGGGGACACCCCTC
 CTCCAGCGTTTGA AAAATGCCACAAAGCCAAGCAGAGACTGGGGCCCTGCCCTCCTGGAG
 CACCGGACAGGGCGCTACGCCCCACCATAGCCCCCTCTCCTGAGGACGGCTTCGAGGTC
 CAGCCACTGCACCCGGACAAGGCGCAGATCCCCATTGTGGGCAGTAAATGGCTCCAGCCGC
 CTCAGGACTCCCGGATATGA

Restriction Sites: Please inquire

ACCN: NM_201649

Insert Size: 2100 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: The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.

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_201649.2</u> , <u>NP_964012.2</u>
RefSeq Size:	3375 bp
RefSeq ORF:	2121 bp
Locus ID:	6536
UniProt ID:	<u>P48067</u>
Cytogenetics:	1p34.1
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>The amino acid glycine acts as an inhibitory neurotransmitter in the central nervous system. The protein encoded by this gene is one of two transporters that stop glycine signaling by removing it from the synaptic cleft. [provided by RefSeq, Jun 2016]</p> <p>Transcript Variant: This variant (2) represents the longest transcript and encodes the longest isoform (2). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>