

Product datasheet for **SC302305**

Glyt1 (SLC6A9) (NM_001024845) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glyt1 (SLC6A9) (NM_001024845) 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 ORF within SC302305 sequence for NM_001024845 edited (data generated by NextGen Sequencing)

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ATGGTAGGAAAAGGTGCCAAAGGGATGCTGAATGGTGCTGTGCCAGCGAGGCCACCAAG
AGGGACCAGAACCTCAAACGGGGCAACTGGGGCAACCAGATCGAGTTTGTACTGACGAGC
GTGGGCTATGCCGTGGGCTGGGCAATGTCTGGCGCTTCCCACACCTCTGCTATCGCAAC
GGGGGAGGCGCCTTCATGTTCCCTACTTCATCATGCTCATCTTCTGCGGGATCCCCCTC
TTCTTCATGGAGCTCTCCTTCGGCCAGTTTGCAAGCCAGGGGTGCCTGGGGTCTGGAGG
ATCAGCCCCATGTTCAAAGGAGTGGGCTATGGTATGATGGTGGTGTCCACCTACATCGGC
ATCTACTACAATGTGGTCATCTGCATCGCCTTCTACTACTTCTTCTCGTCCATGACGCAC
GTGCTGCCCTGGGCTACTGCAATAACCCCTGGAACACGCATGACTGCGCCGGTGTACTG
GACGCCTCCAACCTACCAATGGCTCTCGGCCAGCCGCTTGCCCAGCAACCTCTCCCAC
CTGCTCAACCACAGCCTCCAGAGGACCAGCCCCAGCGAGGAGTACTGGAGGCTGTACGTG
CTGAAGCTGTCAGATGACATTGGGAACCTTGGGGAGGTGCGGCTGCCCTCCTTGGCTGC
CTCGGTGCTCCTGGTTGGTCTTCTCTGCCTCATCCGAGGGGTCAAGTCTTCAGGG
AAAGTGGTGTACTTCACGCCACGTTCCCTACGTGGTGTGACCATTCTGTTTGTCCGC
GGAGTGACCTGGAGGGAGCCTTTGACGGCATCATGTACTACCTAACCCCGCAGTGGGAC
AAGATCCTGGAGGCCAAGGTGTGGGGTGTGCTGCCTCCCAGATCTTCTACTCACTGGGC
TGCGCGTGGGGAGGCCTCATACCATGGCTTCTACAACAAGTTCACAATAACTGTTAC
CGGGACAGTGTATCATCAGCATACCAACTGTGCCACCAGCGTCTATGTGGCTTCGTC
ATCTTCTCCATCCTCGGCTTCATGGCCAATCACCTGGGCGTGGATGTGTCCCGTGTGGCA
GACCACGGCCCTGGCCTGGCCTTCGTGGCTTACCCGAGGCCCTCACACTACTTCCCATC
TCCCGCTGGTCTCTGCTCTTCTTTCATGCTTATCCTGCTGGGGCTGGGCACTCAG
TTCTGCCTCCTGGAGACGCTGGTCACAGCCATTGTGGATGAGGTGGGGAATGAGTGGATC
CTGCAGAAAAAGACCTATGTGACCTTGGGCGTGGCTGTGGCTGGCTTCTGCTGGGCATC
CCCCTACCAGCCAGGCAGGCATCTATTGGCTGCTGCTGATGGACAACATGCGGCCAGC
TTCTCCTTGGTGGTCATCTCCTGCATCATGTGTGTGGCCATCATGTACATCTACGGGCAC
CGGAACTACTTCCAGGACATCCAGATGATGCTGGGATTCCACCACCCCTCTTCTTTAG
ATCTGCTGGCGCTTCGTCTCTCCCGCCATCATCTTCTTTATTCTAGTTTTCACTGTGATC
CAGTACCAGCCGATCACCTACAACCACTACCAGTACCCAGGCTGGGCCGTGGCCATTGGC
TTCTCATGGCTCTGCTCCTCGTCTCTCCCGCCATCATCTTCTTTATTCTAGTTTTCACTGTGATC
CGCACAGACGGGGACACCCTCCTCCAGCGTTTGAAAAATGCCACAAAGCCAAGCAGAGAC
TGGGGCCCTGCCCTCCTGGAGCACCGGACAGGGCGCTACGCCCCACCATAGCCCCCTCT
CCTGAGGACGGCTTCGAGGTCCAGCCACTGCACCCGGACAAGGGCCAGATCCCCATTGTG
GGCAGTAATGGCTCCAGCCGCTCCAGGACTCCCGGATATGA
    
```

Clone variation with respect to NM_001024845.1

- Restriction Sites:** Please inquire
- ACCN:** NM_001024845
- Insert Size:** 2000 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 ORF of this clone is found to be a perfect match to RefSeq sequence, NM_001024845.1.
- 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:	NM_001024845.1 , NP_001020016.1
RefSeq Size:	3206 bp
RefSeq ORF:	1902 bp
Locus ID:	6536
UniProt ID:	P48067
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 (3) differs in the 5' UTR and coding region compared to variant 2. The resulting isoform (3) is shorter and has a distinct N-terminus compared to isoform 2. Variants 3 and 9 both encode the same isoform (3). 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>