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Product datasheet for SC332751

Glyt1 (SLC6A9) (NM_001261380) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: Glyt1 (SLC6A9) (NM_001261380) Human Untagged Clone

Tag: Tag Free

Symbol: Glyt1

Synonyms: GCENSG; GLYT1

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC332751 representing NM_001261380.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGAGCGGCGGAGACACGCGGGCTGCGATCGCTCGCCCCAGGATGGCCGCGGCTCATGGACCTGTGGCC
CCCTCTTCCCCAGAACAGAATGGTGCTGTGCCCAGCGAGGCCACCAAGAGGGACCAGAACCTCAAACGG
GGCAACTGGGGCAACCAGATCGAGTTTGTACTGACGAGCGTGGGCTATGCCGTGGGCCTGGGCGCCTTC
ATGTTCCCCTACTTCATCATGCTCATCTTCTGCGGGATCCCCCTCTTCTTCATGGAGCTCTCCTTCGGC
CAGTTTGCAAGCCAGGGGTGCCTGGGGGTCTGGAGGATCAGCCCCATGTTCAAAGGAGTGGGCTATGGT
ATGATGGTGGTGTCCACCTACATCGGCATCTACTACAATGTGGTCATCTGCATCGCCTTCTACTACTTC
TTCTCGTCCATGACGCACGTGCTGCCCTGGGCCTACTGCAATAACCCCTGGAACACGCATGACTGCGCC
GGTGTACTGGACGCCTCCAACCTCACCAATGGCTCTCGGCCAGCCGCCTTGCCCAGCAACCTCTCCCAC
CTGCTCAACCACAGCCTCCAGAGGACCAGCCCCAGCGAGGAGTACTGGAGGCTGTACGTGCTGAAGCTG
TCAGATGACATTGGGAACTTTGGGGAGGTGCGGCTGCCCCTCCTTGGCTGCCTCGGTGTCTCCTGGTTG
GTCGTCTTCCTCTGCCTCATCCGAGGGGTCAAGTCTTCAGGGAAAGTGGTGTACTTCACGGCCACGTTC
CCCTACGTGGTGCTGACCATTCTGTTTGTCCGCGGAGTGACCCTGGAGGGAGCCTTTGACGGCATCATG
TACTACCTAACCCCGCAGTGGGACAAGATCCTGGAGGCCAAGGTGTGGGGTGATGCTGCCTCCCAGATC
TTCTACTCACTGGGCTGCGCGTGGGGAGGCCTCATCACCATGGCTTCCTACAACAAGTTCCACAATAAC
TGTTACCGGGACAGTGTCATCATCAGCATCACCAACTGTGCCACCAGCGTCTATGCTGGCTTCGTCATC
TTCTCCATCCTCGGCTTCATGGCCAATCACCTGGGCGTGGATGTGTCCCGTGTGGCAGACCACGGCCCT
GGCCTGGCCTTCGTGGCTTACCCCGAGGCCCTCACACTACTTCCCATCTCCCCGCTGTGGTCTCTGCTC
TTCTTCTTCATGCTTATCCTGCTGGGGCTGGGCACTCAGTTCTGCCTCCTGGAGACGCTGGTCACAGCC
ATTGTGGATGAGGTGGGGAATGAGTGGATCCTGCAGAAAAAGACCTATGTGACCTTGGGCGTGGCTGTG
GCTGGCTTCCTGCTGGGCATCCCCCTCACCAGCCAGGCAGGCATCTATTGGCTGCTGCTGATGGACAAC
TATGCGGCCAGCTTCTCCTTGGTGGTCATCTCCTGCATCATGTGTGTGGCCATCATGTACATCTACGGG
CACCGGAACTACTTCCAGGACATCCAGATGATGCTGGGATTCCCACCACCCCTCTTCTTTCAGATCTGC
TGGCGCTTCGTCTCTCCCGCCATCATCTTCTTTATTCTAGTTTTCACTGTGATCCAGTACCAGCCGATC
ACCTACAACCACTACCAGTACCCAGGCTGGGCCGTGGCCATTGGCTTCCTCATGGCTCTGTCCTCCGTC
CTCTGCATCCCCCTCTACGCCATGTTCCGGCTCTGCCGCACAGACGGGGACACCCTCCTCCAGCGTTTG
AAAAATGCCACAAAGCCAAGCAGAGACTGGGGCCCTGCCCTCCTGGAGCACCGGACAGGGCGCTACGCC
CCCACCATAGCCCCCTCTCCTGAGGACGGCTTCGAGGTCCAGCCACTGCACCCGGACAAGGCGCAGATC
CCCATTGTGGGCAGTAATGGCTCCAGCCGCCTCCAGGACTCCCGGATATGA

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Restriction Sites:	AscI-MluI
ACCN:	NM_001261380
Insert Size:	1914 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).
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:	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_001261380.1
RefSeq Size:	3183 bp
RefSeq ORF:	1914 bp
Locus ID:	6536
Cytogenetics:	1p34.1
Protein Families:	Druggable Genome, Transmembrane
MW:	70.7 kDa
Gene Summary:	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] Transcript Variant: This variant (4) lacks an alternate in-frame exon and uses an alternate in-frame splice site in the 5' coding region compared to variant 2. The resulting protein (isoform 4) is shorter compared to 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.