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Product datasheet for SC128289

Glyt1 (SLC6A9) (NM_006934) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glyt1 (SLC6A9) (NM_006934) Human Untagged Clone
Tag:	Tag Free
Symbol:	Glyt1
Synonyms:	GCENSG; GLYT1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Neo
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

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>OriGene ORF sequence for NM_006934 edited
ATGAGCGGCGGAGACACGCGGGCTGCGATCGCTCGCCCCAGGATGGCCGCGGCTCATGGA
CCTGTGGCCCCCTCTTCCCCAGAACAGAATGGTGCTGTGCCCAGCGAGGCCACCAAGAGG
GACCAGAACCTCAAACGGGGCAACTGGGGCAACCAGATCGAGTTTGTACTGACGAGCGTG
GGCTATGCCGTGGGCCTGGGCAATGTCTGGCGCTTCCCATACCTCTGCTATCGCAACGGG
GGAGGCGCCTTCATGTTCCCCTACTTCATCATGCTCATCTTCTGCGGGATCCCCCTCTTC
TTCATGGAGCTCTCCTTCGGCCAGTTTGCAAGCCAGGGGTGCCTGGGGGTCTGGAGGATC
AGCCCCATGTTCAAAGGAGTGGGCTATGGTATGATGGTGGTGTCCACCTACATCGGCATC
TACTACAATGTGGTCATCTGCATCGCCTTCTACTACTTCTTCTCGTCCATGACGCACGTG
CTGCCCTGGGCCTACTGCAATAACCCCTGGAACACGCATGACTGCGCCGGTGTACTGGAC
GCCTCCAACCTCACCAATGGCTCTCGGCCAGCCGCCTTGCCCAGCAACCTCTCCCACCTG
CTCAACCACAGCCTCCAGAGGACCAGCCCCAGCGAGGAGTACTGGAGGCTGTACGTGCTG
AAGCTGTCAGATGACATTGGGAACTTTGGGGAGGTGCGGCTGCCCCTCCTTGGCTGCCTC
GGTGTCTCCTGGTTGGTCGTCTTCCTCTGCCTCATCCGAGGGGTCAAGTCTTCAGGGAAA
GTGGTGTACTTCACGGCCACGTTCCCCTACGTGGTGCTGACCATTCTGTTTGTCCGCGGA
GTGACCCTGGAGGGAGCCTTTGACGGCATCATGTACTACCTAACCCCGCAGTGGGACAAG
ATCCTGGAGGCCAAGGTGTGGGGTGATGCTGCCTCCCAGATCTTCTACTCACTGGGCTGC
GCGTGGGGAGGCCTCATCACCATGGCTTCCTACAACAAGTTCCACAATAACTGTTACCGG
GACAGTGTCATCATCAGCATCACCAACTGTGCCACCAGCGTCTATGCTGGCTTCGTCATC
TTCTCCATCCTCGGCTTCATGGCCAATCACCTGGGCGTGGATGTGTCCCGTGTGGCAGAC
CACGGCCCTGGCCTGGCCTTCGTGGCTTACCCCGAGGCCCTCACACTACTTCCCATCTCC
CCGCTGTGGTCTCTGCTCTTCTTCTTCATGCTTATCCTGCTGGGGCTGGGCACTCAGTTC
TGCCTCCTGGAGACGCTGGTCACAGCCATTGTGGATGAGGTGGGGAATGAGTGGATCCTG
CAGAAAAAGACCTATGTGACCTTGGGCGTGGCTGTGGCTGGCTTCCTGCTGGGCATCCCC
CTCACCAGCCAGGCAGGCATCTATTGGCTGCTGCTGATGGACAACTATGCGGCCAGCTTC
TCCTTGGTGGTCATCTCCTGCATCATGTGTGTGGCCATCATGTACATCTACGGGCACCGG
AACTACTTCCAGGACATCCAGATGATGCTGGGATTCCCACCACCCCTCTTCTTTCAGATC
TGCTGGCGCTTCGTCTCTCCCGCCATCATCTTCTTTATTCTAGTTTTCACTGTGATCCAG
TACCAGCCGATCACCTACAACCACTACCAGTACCCAGGCTGGGCCGTGGCCATTGGCTTC
CTCATGGCTCTGTCCTCCGTCCTCTGCATCCCCCTCTACGCCATGTTCCGGCTCTGCCGC
ACAGACGGGGACACCCTCCTCCAGCGTTTGAAAAATGCCACAAAGCCAAGCAGAGACTGG
GGCCCTGCCCTCCTGGAGCACCGGACAGGGCGCTACGCCCCCACCATAGCCCCCTCTCCT
GAGGACGGCTTCGAGGTCCAGCCACTGCACCCGGACAAGGCGCAGATCCCCATTGTGGGC
AGTAATGGCTCCAGCCGCCTCCAGGACTCCCGGATATGA
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Restriction Sites: Please inquire

ACCN: NM_006934

Insert Size: 3100 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_006934.2, NP_008865.2
RefSeq Size:	3213 bp
RefSeq ORF:	1959 bp
Locus ID:	6536
UniProt ID:	P48067
Cytogenetics:	1p34.1
Protein Families:	Druggable Genome, Transmembrane
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 (1) lacks an alternate in-frame exon compared to variant 2. The resulting isoform (1) has the same N- and C-termini but 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.