

Product datasheet for **SC318955**

SLC6A12 (NM_001122848) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC6A12 (NM_001122848) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC6A12
Synonyms:	BGT-1; BGT1; GAT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC318955 representing NM_001122848.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGACGGGAAGGTGGCAGTGAAGAGTGTGGCCCTCCTGCAGTCTCCTGGTCCCCGAGGAGGAGAG
AAGTTGGACAGGAAGACGAGGACCAGGTGAAGGATCGGGCCAATGGACCAACAAGATGGAGTTTGTG
CTGTCAGTGGCCGGGAGATCATTGGGCTGGGCAATGTCTGGAGGTTCCCTATCTCTGCTACAAAAC
GGAGGTGGAGCCTTCTTCATCCCCTACTTCATCTTCTTTGTCTGCGGCATCCCGGTGTTCTTCTG
GAGGTGGCGTTGGCCAATACACCAGCCAAGGAGTGTACAGCCTGGAGGAAGATCTGCCCCCTCTTC
CAGGGCATTGGTCTGGCATCTGTGGTACGAGTCATATTTGAATGTCTACTACATCATCATCTTGCC
TGGGCTCTTCTACCTGTTCACTCCTTCACTTCTGAGCTGCCCTGGACGACCTGCAACAACCTTTTG
AACACAGAGCATTGCACGGACTTCTGAACCCTCAGGAGCCGGCACAGTGACCCCATTTGAGAATTTT
ACCTCACCTGTCATGGAATCTGGGAGAGACGAGTTCTGGGCATCACCTCGGGCATCCATGACCTGGC
TCCCTGCGCTGGGAGCTGGCCCTGTGCCCTCTGCTCGCCTGGGTCTGCTATTTCTGCATCTGGAAG
GGGGTCAAGTCCACAGGCAAGGTGGTTTATTTACAGCCACGTTTCCGTACCTGATGCTTGTCAATTTG
CTGATCAGAGGTGCACCCTCCCGGAGCCTACCAGGGCATCATCTACTACTGAAGCCAGATTTGTTC
CGCCTCAAGGACCCTCAGGTGTGGATGGATGCGGGCACCCAGATCTTCTTCTCCTTTGCCATCTGCCAG
GGGTGCCCTGACAGCCCTGGGCAGCTACAACAAGTATCACAACAAGTGTACAAGGACTGCATCGCCCTC
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CAAGAGCAAGGGGTGCCATTTCTGAAGTGGCCGAGTCAAGTCTGGGCTGGCCTTCCATCGCCTTCCCC
AAGGCTGTGACTATGATGCCCTTATCCCAGCTGTGGTCTGCCTGTTCTTATCATGCTCATATTCCTA
GGGCTGGACAGCCAGTTTGTCTGTGTGGAGTGCCTGGTGACAGCCTCCATAGACATGTTCCCGAGCAG
CTCCGGAAGAGCGGGCGCGAGCTCCTCATCCTCACCATCGCCGTATGTGCTACCTGATAGGGCTT
TTCTGCTCACCGAGGGCGGGATGTACATCTTCCAGCTGTTTGACTACTATGCTTCCAGTGGCATATGC
CTGCTGTTCTGTGATTGTTGAAGTGGTCTGCATAAGCTGGGTGTATGGGGCGGACCGTTTCTATGAC
AACATTGAGGACATGATTGGCTACCGGCCATGGCCCTGGTGAAGATCTCCTGGCTTCTCTGACCCCT
GGACTTTGCTGGCCACTTCTCTTCTCCTTGAGCAAGTACACCCCTCAAGTACAACAACGTCTAT
GTGTACCCGCCCTGGGATACTCATTGGCTGGTCTCTGGCTCTGCTCCATGGTCTGTGTCCACTC
TTCGTCGTATCACCTCCTGAAGACTCGGGTCTTTTCCAGGAAGCGTCTGCGTCAGCTCATCACCCCT
GACTCCAGTCTGCCACAGCCCAAGCAACATCCCTGCTTGGATGGCAGTGTGGCCGGAATTTGGGCC
TCCCAACAAGGGAAGGACTGATAGCCGGGAGAGGAGACCCATTTGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

Plasmid Map: □

ACCN: NM_001122848

Insert Size: 1845 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: 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.

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_001122848.2
RefSeq Size:	3270 bp
RefSeq ORF:	1845 bp
Locus ID:	6539
UniProt ID:	P48065
Cytogenetics:	12p13.33
Protein Families:	Druggable Genome, Transmembrane
MW:	69.4 kDa
Gene Summary:	<p>Transports betaine and GABA. May have a role in regulation of GABAergic transmission in the brain through the reuptake of GABA into presynaptic terminals, as well as in osmotic regulation.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1, 2, 3 and 4 encode the same protein. 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>