

Product datasheet for **SC310207**

SLC6A11 (NM_014229) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC6A11 (NM_014229) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC6A11
Synonyms:	GAT-3; GAT3; GAT4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF:

```

>OriGene sequence for NM_014229 edited
CATGACGGCGGAGAAGGCGCTGCCCTGGGCAATGGGAAGGCTGCTGAGGAGGCGCGGGA
GTCCGAGGCGCCGGGTGGCGGCTGCAGCAGCGGGGCGCGGCGCCCGCGCCACCCGCG
CGTCAAGCGCGACAAGGCGGTCCACGAGCGGGCCACTGGAACAACAAGTGGAGTTCGT
GCTGAGCGTGGCCGGGAGATCATTGGGCTGGGCAACGTGTGGCGCTTCCCCTACCTGTG
CTACAAGAACGGAGGAGGGCATTCTGATTCCCTACGTGGTGTTTTTTATTTGTGTGG
AATTCCTGTTTTTTTCCCTGGAGACAGCTCTGGGCAGTTTCAAGTGAAGGTGGCATTAC
GTGTTGGAGGAAAGTTTGCCCTTTATTTGAAGGCATTGGCTATGCAACACAGGTGATTGA
GGCCCATCTGAATGTGTACTACATCATCCTGGCATGGGCCATTTTTTACCTGAGCAA
CTGCTTCACTACTGAGCTACCCTGGGCTACCTGTGGGCATGAGTGAACACAGAGAATTG
TGTGGAGTTCAGAACTGAATGTGAGCAACTACAGCCATGTGTCTCTGCAGAATGCCAC
CTCCCCTGTCATGGAGTTTTGGGAGCACCGGTCTGGCCATCTCTGACGGGATCGAGCA
CATCGGGAACCTTCGCTGGGAGCTGGCCTTGTGTCTTGGCAGCCTGGACCATCTGTTA
CTTCTGTATCTGGAAGGGGACCAAGTCTACAGGAAAGTTGTATACGTGACTGCGACATT
CCCCTACATCATGCTGCTGATCCTCTGATACGAGGGGTACGTTGCCCGGGGCCTCAGA
GGGCATCAAGTTCTACTTGTACCCTGACCTCTCCCGGCTCTCCGACCCCAAGTCTGGGT
AGATGCTGGAACGCAGATCTTTTTCTCCTATGCCATTTGCCTGGGCTGTCTGACCCTCT
GGGAAGTTATAACAATTATAACAACAAGTCTACAGGGACTGCATCATGCTCTGTTGCCCT
GAACAGCGGCACCAGCTTCGTGGCTGGGTTTGCCATCTTCTCAGTCTGGGTTTTATGGC
GTACGAGCAGGGGTACCCATTGCTGAGGTGGCAGAGTCAAGCCCCGGCCTGGCCTTTAT
TGCGTACCCCAAGGCGGTCAACATGATGCCCTCTCTCCCGCTGTGGGCCACCTTGTCTT
CATGATGCTCATCTTCTGGGCTGGACAGCAGTTTGTGTGTGGAAGCCTGGTGAC
CGCCGTGGTGGACATGTACCCCAAGTTTTCCGAGGGTTACCGGCGGGAGCTGCTCAT
CCTAGCCTTGTCTGTTATCTCCTATTTTTCTGGGCTCGTGATGTTAACAGAGGGTGGCAT
GTACATCTTCCAGCTCTTGGACTCCTATGCCGCCAGTGGGATGTGCCTTCTCTTCTGTC
CATCTTTGAGTGCATCTGCATCGGCTGGGTGTATGGAAGCAACCGTTCTATGATAACAT
TGAAGACATGATTGGCTACCGGCCACCGTCTGATTAAGTGGTGGTGGATGATCATGAC
CCCTGGGATCTGCGCGGGGATCTTCTTCTTCTTGGATCAAGTACAAGCCACTCAAGTA
CAACAACATCTACACCTACCCAGCCTGGGGCTATGGCATTGGCTGGCTCATGGCCCTGTC
CTCCATGCTCTGCATCCCGCTCTGGATCTGCATCACAGTGTGGAAGACGGAGGGGACT
GCCCGAGAACTCCAGAAGTTGACGACCCCGCAGCACAGATCTGAAAATGCGGGGCAAGCT
TGGGGTGAGCCCACGGATGGTGACAGTTAATGACTGTGATGCCAACTCAAGAGTGACGG
GACCATCGCAGCCATCACAGAGAAGGAGACGCACTTCTGAGCGGCCACCAGCCATCTGGG
GCTCTTCTTCTTCTTCCCCCGTGTATGTAATGAATTCCTGAACCCATACTTACC
TAATGGTAGGGGCTTGGTGTGTTTGACAGGATTAATTAACAAGTTAATTTAAGGTGGC
CACTGTACACTGCTCTAAAGTCAATCCCTCCCGCCATCGCCGACACACACACACGTC
GTAATGTGGCTAACGCTTGACTCACTTAACTACTCATGGGGCAGGGCGGAGGGTGGAT
TGTTGCTTTTTGTTTTTGAATTTCTACTAGTATTTGGGTAACTTTGGGGTGGGGAG
GGCAATGTGGGGCAGGGGAACATGTCATTGTGATGACTTTTTTGTATTCATTAGAAAC
AATACATCCTTTTTGAGATATTTACAGTATTATTAATAAATAAAGGTTGACTGTTT
TGATAATGAACATTTTTATTGGCATTCAAAGGGTGCAAGATTGCTGCTTACTCATT
TTAAAAATTAAGAAATGAACAATCAGTGTGGCTATTCCTAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAA
    
```

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_014229 unedited ACCGCACCGTTTGTAGCAAATGGGCGGTAGGCGGTACGGTGGGAGGTCTATATAAGCAGA GCTCGTTTAGTGAACCGTCAGAAATTTTGTAAATACGACTCACTATAGGGCGGCCGCGAATT CGGCACGAGGATGACGGCGGAGAAGGCGCTGCCCTGGGCAATGGGAAGGCTGCTGAGGA GGCGCGGAGTCCGAGGCGCCGGTGGCGGCTGCAGCAGCGGGGGCGGGCGCCCGCGG CCACCCGCGCTCAAGCGCGACAAGGCGGTCCACGAGCGGGCCACTGGAACAACAAGT GGAGTTCGTGCTGAGCGTGGCCGGGAGATCATTGGGCTGGCAACGTGTGGCGCTTCCC CTACCTGTGCTACAAGAACGGAGGAGGGCATTCCCTGATTCCCTACGTGGTGTTTTTTAT TTGCTGTGGAATTCCTGTTTTTTTCTGGAGACAGCTCTGGGGCAGTTCACAAGTGAAGG TGGCATTACGTGTTGGAGGAAAGTTTGCCTTTATTTGAAGGCATTGGCTATGCAACACA GGTGATTGAGGCCATCTGAATGTGTACTACATCATCATCCTGGCATGGGCCATTTTTTA CCTGAGCAACTGCTTCACTACTGAGCTACCCTGGGCTACCTGTGGGCATGAGTGGAAAC AGAGAATTGTGTGGAGTCCAGAACTGAATGTGAGCAACTACAGCCATGTGTCTCTGCA GAATGCCACCTCCCTGTATGGAGTTTGGGAGCACCGGTCTGGCCATCTCTGACGG GATCGAGCACATCGGAACTTCGCTGGGAGCTGGCCTTGTGTCTTGGCAGCCTGACC ATCTGTTACTTCTGTATCTGGAGGGACCAAGTCTACAGGAAAGTTGTAATACGTGACT GCGACATTTTCGTA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' genomic read for NM_014229 unedited AGGGGGTGAACCTCGGGCCGAAAGCACCGGGAGGGTCCAGGGATGCCCCGGGATCT GTTTCGAAACAGCTATGACCGCGCCGCAATCTAGAGTCGAGCTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTTTTAGGAATAGCCACACTGATTGTTTCATTTCTTTAATTTTTAA AAATGAGTAAGCAGACAATCTTGACCCCTTGAATGCCCAATAAAAAATGTTTCATTATGCA AAACAGTACAACCTTTTTTCAATTTTTAATAAATACTGTAATATCTCAAAAAGGATGTATT GTTTCTAATGAATATCAAAAAGTCATCACAATGACATGTTCCCTGCCCCCACATTGCC CTCCCCACCCCAAGTTACCAATACTAGTAGGAAATTACAAAAACAAGCAAGCAACA ATCCACCTCCGCCCTGCCCATGAGTAGTGTTAAGTGAGTCAAGCGTTAGCCACATTAC GACGTGTGTGTGTGCGCGATGGCGGGAGGGGATGACTTTAGAGCAGTGTACAGTG GCCACCTAAAAATTAACCTGTTAATTAATCCTGTGCAAAAAGCAAGCCCTACCATTA GGTGAAGTATGGGGTTCAGGAATTCATTTACATACCGGGGGAAGAAAGGAAGAAGAGC CCAGATGGCTGGTGGCGCTCAGAAGTGCCTCTCCTTCTGTGTGATGGCTGCGATGGTC CCGTCACTCTTGAGTTTGGCATCACAGTCATTAAGTGTCAACCATCCGTGGGCTCACCCCA AGCTTGCCCCCGCATTTTCAGATCTGTGCTGGGGTCTGCAACTTCTGAGTTTCTCGGCA GTGTCCCTCCGTCTTCCACACTGTGATGCAGATCCAGAGCGGGATGCAGAGCATGAGAC AGGCCATGAACCAGCCATGCCATAGCCCAGCTGGTTAGTGTAGATGTTGTTGACTGATG GCTTGTACCTTGATCAGAGAGATGAGATCAG</p>
Restriction Sites:	Please inquire
ACCN:	NM_014229
Insert Size:	2500 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:

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_014229.1](#), [NP_055044.1](#)

RefSeq Size: 1991 bp

RefSeq ORF: 1899 bp

Locus ID: 6538

UniProt ID: [P48066](#)

Cytogenetics: 3p25.3

Domains: SNF

Protein Families: Druggable Genome, Transmembrane

Gene Summary: The protein encoded by this gene is a sodium-dependent transporter that uptakes gamma-aminobutyric acid (GABA), an inhibitory neurotransmitter, which ends the GABA neurotransmission. Defects in this gene may result in epilepsy, behavioral problems, or intellectual problems. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2015]
Transcript Variant: This variant (1) encodes the longer isoform (1). 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.