

Product datasheet for **SC120156**

STX1B (NM_052874) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STX1B (NM_052874) Human Untagged Clone
Tag:	Tag Free
Symbol:	STX1B
Synonyms:	GEFSP9; STX1B1; STX1B2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC120156 sequence for NM_052874 edited (data generated by NextGen Sequencing)

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ATGAAGGATCGGACTCAAGAGCTGCGGAGTGCGAAAGACAGTGATGATGAAGAGGAGGTG
GTCCACGTGGATCGGGACCACTTCATGGATGAGTTCTTTGAACAGGTGGAAGAGATCCGG
GGCTGCATTGAGAACTGTCGGAGGATGTGGAGCAGGTGAAAAACAGCATAGCGCCATC
CTGGCCGCACCCAACCCAGATGAGAAGACCAAACAGGAGCTGGAGGATCTCACTGCAGAC
ATCAAGAAGACGGCCAACAAGGTTCCGGTCCAAATTGAAAGCGATCGAGCAAAGCATTGAA
CAGGAGGAGGGGCTGAACCGTTCCTCCGCGGACCTGCGCATCCGCAAGACCCAGCACTCC
ACACTGTCCCGGAAGTTCGTGGAGGTAATGACCGAATATAACGCGACCCAGTCCAAGTAC
CGGGACCCTGCAAGACCGGATCCAGCGGCAACTGGAGATCACTGGAAGGACCACCACC
AACGAAGAAGTGAAGACATGCTGGAGAGCGGGAAGCTGGCCATCTTACAGATGACATC
AAAATGGACTCACAGATGACGAAGCAGGCGCTGAATGAGATTGAGACGAGGCACAATGAG
ATCATCAAGCTGGAGACCAGCATCCGCGAGCTGCACGATATGTTTGTGGACATGGCCATG
CTCGTAGAGAGCCAGGGAGAGATGATTGACCGCATCGAGTACAACGTGGAACATTCTGTG
GACTACGTGGAGCGAGCTGTGTCTGACACCAAGAAAGCAGTGAATATCAGAGCAAGGCC
CGGAGGAAGAAAATCATGATCATCATTTGCTGTGTGGTGTGGGGTGGTCTTGGCGTCA
TCCATTGGGGGACGCTGGGCTTGTAG

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Clone variation with respect to NM_052874.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_052874 unedited CACACGACTCACTATAGGGCGGCCGCGATTTCGGCACGAGGCGCAGCCGCATCGCCACCGC AGCCCCGGCAGAGCCGAGCCCCGGCCAGGCCCTGCCCTGCCCGGCCCTCGGCCAGTCGC CCCCGGCCCCGCCCGCCCGCAGGCCCGCCGAGCGGCCGCGGGCGCCCCCGGCCGCC CAGACCCCGGCCCTCCGGCACATAGGCGGGAGACCCGGAGCAGCAGCGGAGGCAGGAGGAC TAGGAGGAGGAGGAGCCGTCGCAGGATGAAGGATCGGACTCAAGAGCTGCGGATGC GAAAGACAGTGATGATGAAGAGGAGGTCCACGTGGATCGGGACCCTTCATGGATGA GTTCTTTGAACAGGTGGAAGAGATCCGGGGCTGCATTGAGAACTGTCGGAGGATGTGGA GCAGGTGAAAAACAGCATAGCGCCATCCTGGCCGACCCAACCCAGATGAGAAGACAA ACAGGAGCTGGAGGATCTCACTGCAGACATCAAGAAGACGGCCAACAAGTTTCGGTCCAA ATTGAAAGCGATCGAGCAAAGCATTGAACAGGAGGAGGGCTGAACCGTTCCTCCGCGGA CCTGCGCATCCGCAAGACCCAGCACTCCACACTGTCCCCGNAAGTTTCGTGGAGGTAATGA CCGAATATAACCGGACCCAGTCCAAGTCCCGGGACCGTTGCAAGGACCCGGATCCAGCGT CAACTGGAGATCACTGGGACGTACCCCAACGAATAAATTGGAGACATTGCTGGAGA GCGGGAAGCTGGCCATCTTTCCAGATGACATCAAATGGACTTCCCGATGAAGAACCAGG CGCTGAATGAAATTGAGACCAGGCACCATGAGAACATCAAGTTGTAACATCTTCCCGCA AGCTCACAAATTTGTTGTGCACTGCCCTTCTTTAAAGACCAGGAG
Restriction Sites:	NotI-NotI
ACCN:	NM_052874
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:	<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:	<u>NM_052874.1</u> , <u>NP_443106.1</u>
RefSeq Size:	1709 bp
RefSeq ORF:	867 bp
Locus ID:	112755
UniProt ID:	<u>P61266</u>
Cytogenetics:	16p11.2
Domains:	t_SNARE, SynN
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	SNARE interactions in vesicular transport

Gene Summary:

The protein encoded by this gene belongs to a family of proteins thought to play a role in the exocytosis of synaptic vesicles. Vesicle exocytosis releases vesicular contents and is important to various cellular functions. For instance, the secretion of transmitters from neurons plays an important role in synaptic transmission. After exocytosis, the membrane and proteins from the vesicle are retrieved from the plasma membrane through the process of endocytosis. Mutations in this gene have been identified as one cause of fever-associated epilepsy syndromes. A possible link between this gene and Parkinson's disease has also been suggested. [provided by RefSeq, Jan 2015]