

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 None

Selection:

Vector: pCMV6-XL5

E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF within SC120156 sequence for NM_052874 edited (data generated by NextGen

Sequencing)

TCCATTGGGGGGACGCTGGGCTTGTAG

Clone variation with respect to NM_052874.3



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



5' Read Nucleotide Sequence:

>OriGene 5' read for NM_052874 unedited

CACACGACTCACTATAGGGCGGCCGCGATTCGGCACGAGGCGCAGCCGCATCGCCACCGC AGCCCGGCAGAGCCGAGCCCAGGCCCTGCCCTGCCCGGCCCTCGGCCAGTCGC CAGACCCCGGCCTCCGGCACATAGGCGGGAGACCCGGAGCAGCAGCAGCAGGAGGAGGAC TAGGAGGAGGAGGAGCCGTCGCAGGATGAAGGATCGGACTCAAGAGCTGCGGAGTGC GAAAGACAGTGATGATGAAGAGGAGGTGGTCCACGTGGATCGGGACCACTTCATGGATGA GTTCTTTGAACAGGTGGAAGAGTCCGGGGCTGCATTGAGAAACTGTCGGAGGATGTGGA GCAGGTGAAAAAACAGCATAGCGCCATCCTGGCCGCACCCAACCCAGATGAGAAGACCAA ACAGGAGCTGGAGGATCTCACTGCAGACATCAAGAAGACGGCCAACAAGGTTCGGTCCAA ATTGAAAGCGATCGAGCAAAGCATTGAACAGGAGGAGGGGCTGAACCGTTCCTCCGCGGA CCTGCGCATCCGCAAGACCCAGCACTCCACACTGTCCCCGNAAGTTCGTGGAGGTAATGA CCGAATATAACGCGACCCAGTCCAAGTCCCGGGACCGTTGCAAGGACCCGGATCCAGCGT CAACTGGAGATCACTGGGACGTACCCCCACCAACGAATAACTTGGAGACATTGCTGGAGA GCGGGAAGCTGGCCATCTTTCCAGATGACATCAAAATGGACTTCCCGATGAAGAACCAGG CGCTGAATGAAATTGAGACCAGGCACCATGAGAACATCAAGTTGTAAACATCTTCCCGCA AGCTCACAATTTGTTTGTGCACTGCCCTTCTTTTAAAGACCAGGAG

Restriction Sites: Notl-Notl **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: 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.

RefSeg: NM 052874.1, NP 443106.1

 RefSeq Size:
 1709 bp

 RefSeq ORF:
 867 bp

 Locus ID:
 112755

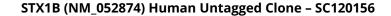
 UniProt ID:
 P61266

 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]