

## Product datasheet for **SC108182**

### Syntaxin 6 (STX6) (NM\_005819) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Syntaxin 6 (STX6) (NM_005819) Human Untagged Clone
Tag:	Tag Free
Symbol:	Syntaxin 6
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

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>OriGene sequence for NM_005819 edited
GAATTCGGCACGAGGGCCGGCGCCGAGTCCGGGATTCGGCCAGTGGTGTGAGCGAGTG
CTGGACCAGCGGCCGTCTGTGCACCTGGCCTGTGCGCGTGCCCGCTGCTCGGCTTACC
CAGACTAAGGCGCGGGCAGCTGCGGGAACAGGCGGGGTGGGCGGAGGAGACCGGGAGGC
ACGGGCGCCCTGTGCGCGGAGGAGGTGAAGGCGGCCGGGGCCGGGACCCATGTCCATGG
AGGACCCCTTCTTTGTGGTAAAAGGAGAGGTACAGAAAAGCAGTCAACACTGCCAGGGAT
TGTTTCAGAGATGGACAGAGCTCCTCCAGGACCCCTCCACAGCAACAAGGGAAGAAATCG
ACTGGACCACCAACGAGCTGAGAAAATAACCTCCGGAGCATAGAGTGGGATCTAGAGGACC
TTGATGAAACCATCAGCATAGTTGAAGCAAATCCTAGAAAATTTAACCTTGATGCAACTG
AATTGAGTATAAGAAAAGCCTTCATTACAAGTACTCGGCAAGTTGTCAGGGACATGAAAAG
ATCAGATGTCAACTTCATCTGTGCAGGCATTAGCTGAAAGAAAAAATAGACAGGCACTGC
TGGGAGACAGTGGCAGCCAGAAGTGGAGCACTGGAACAACAGATAAATATGGGCGTCTGG
ACCGAGAGCTCCAGAGAGCCAATTCTCATTTCATTGAGGAGCAGCAGGCACAGCAGCAGT
TGATCGTGGAACAGCAGGATGAGCAGTTGGAGCTGGTCTCTGGCAGCATCGGGGTCTGA
AGAACATGTCCCAGCGCATCGGAGGGGAGCTGGAGGAACAGGCAGTTATGTTGGAAGATT
TCTCTACGAATTGGAGAGCACTCAGTCCCGGCTGGACAACGTGATGAAGAACTTGCAA
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TCCTGTTGGTGTGCTCATCCTCTTCTTAGTGCTGTGACGGCGGGGCCTCTGGGTGCGAG
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TACTCACATTCCTATCCTGGAACATACTGCTGCACTGACTTTTCTCCGTGTGACCCAC
AATTGACATGGCTCCTCCATCCCAGCGCTGGAAGGGCCAGTGGGAAGAGGAAATAGATGT
CTGCACTCCTGGCTGCAGCTGGACAACAGAAGCCCATGCCGCTGTCCAGTTCCGAGGA
GAACTAGCTGCTGCCTTGCCTTCCGGGACCTCGTTTGTGAGGAGGGACTTACAGACTCC
ACTGGTGTTTTGTGTTGCTCATTCCATGCATCTTTGGCAGCTCTTTTCTCTGCTCAGA
CCCTTCCCGTGCTCAGACAGTGACCCGCTGCCATCTAAAGAAACCTGTCAGGAATAC
GAGCTTCTGGGTATGTTTCGTTCCATTGCTGTAGCATTTCTTATCCCCTGAGAGCTGA
TGATTATTGAGGACAGAAGGCTCAGAAACAGTTTGTGACAGAAAATGCAGTGTTTCATTT
TTCAGGGATAAATGCTAAGATAAAATTGCTTTTCCAGGTCATTTTTTTTTGTGGTAAGAA
TAACTXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXGTCTACATAT
GTTGTTGCTAAACAGCTCAGTAACACACTGAATGAATTTGGATACCAGATTGCCTCAT
TACAGTCTTTTACTCTTAGGGCACTTACACTGGGGTTGGGGTTGGGAGTGGTTAGTA
CATTTATTACATTTATTAAGAAACGTAATGACATAAAAGTTAGCTCTGGGCCAGACTTC
TCTTACTCTGTGGTAATGGCAAGGATGTGTAGGTAACCTTGGTTCTTTTTTTCCCTAA
GATGACAGCTTGATTTTATCATCTGCAGTCAAATAACTGAGCCAATCAAATTTAAATGA
TAGATGCTTAAATTGAGTTTTTAAAGTAGCTGAAACTGCTGAGACACTAACTTTAACCTT
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CCTGATGAATAATCTGATATTAAGTAGTATTTGGACCCAGAGCCAGAAGTCCGGTGGTGG
AGGCTGCTGGTCTCTCCTCACCACCTTCTTTTGCACCTGGAAAGAAGCAGCAACATCTGGA
TAGAGTTCTAGCTTTGACTTCTCATTTCCTTGTCTTTTGGGTGCATTCCCTCAGCACACT
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TTGGTTTTTACCCTTTTTTGTGATTTGCAATGATGTGCTTGCCAGCTAACTTTTGAA
TTGCACTTTTTAATAATATTCTTAACAATTAATAAAAAAAAAAAAAAAAAAACTCGAC
    
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_005819 unedited</p> <pre>CGTTCACATTTGTATACGACTCCTATAGGCGGCCGCGCATTTCGGCACGAGGGCCGGCGCC CGAGTCCGGGATTCGGCCAGTGGTGTGAGCGAGTGTGGACCAGCGGCCGTCTGTGCA CCTGGCCTGTGCGCGTGCCCGCTGCTCGGCTTCACCCAGACTAAGGCGCGGGCAGCTGCC GGAACAGGCGGGTGGGCGGAGGAGACCCGGGAGGCACGGGCGCCCTGTGCGGGAGGAG GTGAAGGCGGCCGGGCGGGACGCCATGTCCATGGAGGACCCCTTCTTTGGTGAAG GAGAGGTACAGAAAGCAGTCAACACTGCCAGGGATTGTTTCAGAGATGGACAGAGCTCC TCCAGGACCCCTCCACAGCAACAAGGGAAGAAATCGACTGGACCACCAACGAGCTGAGAA ATAACCTCCGGAGCATAGAGTGGGATCTAGAGGACCTTGATGAAACCATCAGCATAGTTG AAGCAAATCCTAGAAAATTTAACCTTGACTGCAACTGAATTGAGTATAAGAAAAGCCTTCA TTACAAGTACTCGGCAAGTTGTGAGGGACATGAAAGATCAGATGTCAACTTCATCTGTGC AGGCATTAGTGAAAGAAAAATAGACAGGCACTGCTGGGAGACAGTGGCAGCCAGAACT GGAGCACTGGAACAACAGATAAATATGGGCGTCTGGACCGAGAGCTCCAGAGAGCCAATT CTCATTTTCATTGAGGAGCAGCAGGCACAGCAGCAGTTGATCGTGAACAGCAGGATGAGC AGTTGGAGCTGGTCTCTGGCAGCCATCGGGTGCTGAAGCATGTCCCCACGCATCGNAG GGGAGCTGGNAGGACCAGCCGTTATGTTGGAGGATTCTCTCACGATTGGAGACACTCATC CCA</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_005819 unedited</p> <pre>GGCAGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTAATTGTTAAGAATATTTATTA AAAAGTCAATTCAAAAGTTAGCTGGGCAAGCACATCATTGCAAATCACAAAAAAGGGT AAAAAACCAAAACCCCAATAAAACCACATGAAATACAAAACAAAACAAAAGGT TTAAAAAAAAGTGTGCTGAGGAATGCACCCAAAAGACAAGGAAATGAGAAGTCAAAGC TAGAACTCTATCCAAATGTTGCTGTTCTTTCCAAGTGAAAAGAAAGGTGGTGAGGAGAGA CCAGCAGCCTCCACCACCGAGTTCTGGCTCTGGGTCCAAATACTACTTTAATATCAGATT ATTCATCAGGGAAGTTATAAAAAATCCTATATACATGTGCACATTTGAGGCATTTTAA AAGTCATCAGAAGGTTAAAGTTTAGTGTCTCAGCAGTTTCAGCTACTTAAAACTCAATT AAAGCATCTATCATTTAAATTTGGATTGGCTCAGTTATTTGACTGCAGATGATAAAATCA AGCTGTCTCTTAGGGAAAAAAGAACCAAGTTTACCTACACATCCTTGCCATTACCCA CAGAGTAAGAGAAGTCTGGCCAGAGCTAACCTTTTATGTCATTACGTTTCTTAATAAAT GTAATAAATGTAATAACCACTCCCAACCCCAACCCCAAGTGATAGAGTGCCCTAAGAGTAA AGAACTGTAATGAGGACAATCTGGTATCCATATTCATTCAAGTGTGTTACTGAGCTGTT ACAACAACATATGTAGCAATCACCTTCAAACGCAGCTGCACTCTGGAGATGAGCCCTGG TCAAAACATCAGTCGGCAAGATCAGATCTACCTGGGCGAATCTTTAACCTTCTACCTTG CAATGCAAACCTTTGCTCTTTTATGGTCCGTCAGTAAGCCATTGTTACCACCCAAACC AG</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_005819
<b>Insert Size:</b>	2700 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_005819.4</a> , <a href="#">NP_005810.1</a>
<b>RefSeq Size:</b>	4548 bp
<b>RefSeq ORF:</b>	768 bp
<b>Locus ID:</b>	10228
<b>UniProt ID:</b>	<a href="#">O43752</a>
<b>Cytogenetics:</b>	1q25.3
<b>Domains:</b>	t_SNARE
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	SNARE interactions in vesicular transport
<b>Gene Summary:</b>	<p>Involved in intracellular vesicle trafficking.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and 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.</p>