

## Product datasheet for **SC127704**

### Syntaxin 16 (STX16) (AF008937) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Syntaxin 16 (STX16) (AF008937) Human Untagged Clone
Tag:	Tag Free
Symbol:	STX16
Synonyms:	SYN16
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for AF008937, the custom clone sequence may differ by one or more nucleotides

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ATGGCCACCAGGCGTTTAAACCGACGCTTCTTGTGTGGCGGAATAATTCCATCCAAAACCGGCAGCTGT  
TAGCCGAGCAAGAGCTGGACGAGCTTGCTGATGACCGTATGGCACTGGTGTGAGGCATCAGCTTAGATCC  
AGAAGCAGCGATTGGTGTGACAAAACGGCCACCTCCTAAGTGGTGGATGGAGTGGATGAAATTCAGTAT  
GATGTTGGCCGGATTAAGCAGAAGATGAAAGAATTGGCCAGCCTTCATGACAAGCATTAAACAGACCCA  
CCCTGGATGACAGCAGCGAAGAGGAACATGCCATTGAGATAACTACCAAGAGATCACTCAGGCATGA
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#### 5' Read Nucleotide Sequence:

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>OriGene 5' read for AF008937 unedited  
NGGGCCTGTCCACAATTGTAAACGACTCATATAGGCGGCCGNAATTTCGCACCAGGNA  
CGTGGTGGCCTCGCTGGCGCAGGCCCTGCAGGAACTCTCCACCAGCTCCGGCAGCACA  
GTCAGGCTACCTCAAACGCATGAAGAATCGAGAGGAAAGATCCCAGCATTTTTTCGACAC  
ATCAGTACCACTAATGGATGATGGAGACGATAAAGTCTTTACCATCGGGGTTTTACAGA  
GGACCAGTTAGTTCTGGTGGAGCAGAACACACTGATGGTGAAGAGCGGGAACGAGAGAT  
TCGCCAGATTGTACAGTCCATTTCTGACCTGAATGAAATATTCAGGGACTTAGGGGCGAT  
GATTGTAGAACAGGGTACAGTCCCTTGACAGAATTGACTATAACGTTGAACAGTCTGTAT  
CAAACTGAAGATGGTTTGAACAGCTTCAAGGCAGAACAGTATCAAAAGAAGAAATCG  
GAAGATGCTTGTGATTTAATATTTGTCATCATCATTGTGCTCATTGTTGTCCTCGT  
TGGCGTGAAGTCTCGATAAGTGGCATTGGGTTTTCGTGTGTGCCGCGCGTGTGGATCTCC  
CGGGTGTGAGGGGCTTGGCCTGCCCCCGCCAGCTGCCCGCAGAGGTGCAGCCTCGAGGA  
ATCTGAGGGCGTGGGGCAGCGAACCTTGCATCCACGGACTCCTCTCCATGCTCTG  
CTCAAGCGGTCCGGGAATGGGTTTTGTTTTTCCCTTCATTGGTGAGAATTAAGGACCTT  
TGATACTGCTGCACATAGAGNATGAGTCTGGGATCAGTTATATATAATTTTTTTAGTA  
AGAGAAATGAGCTGAGAGTTACAGGCCTGCAGAAGCTGTCAGTATATATGTGC
```

Restriction Sites: NotI-NotI



<b>ACCN:</b>	AF008937
<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="#">AF008937.1</a> , <a href="#">AAB69284.1</a>
<b>RefSeq Size:</b>	941 bp
<b>RefSeq ORF:</b>	348 bp
<b>Locus ID:</b>	8675
<b>Cytogenetics:</b>	20q13.32
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	SNARE interactions in vesicular transport
<b>Gene Summary:</b>	This gene encodes a protein that is a member of the syntaxin or t-SNARE (target-SNAP receptor) family. These proteins are found on cell membranes and serve as the targets for V-SNARES (vesicle-SNAP receptors) permitting specific synaptic vesicle docking and fusion. A microdeletion in the region of chromosome 20 where this gene is located has been associated with pseudohypoparathyroidism type 1b. Multiple transcript variants have been found for this gene. Read-through transcription also exists between this gene and the neighboring downstream aminopeptidase-like 1 (NPEPL1) gene. [provided by RefSeq, Mar 2011]