

Product datasheet for **SC127663**

Syntaxin 16 (STX16) (NM_003763) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syntaxin 16 (STX16) (NM_003763) Human Untagged Clone
Tag:	Tag Free
Symbol:	Syntaxin 16
Synonyms:	SYN16
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127663 sequence for NM_003763 edited (data generated by NextGen Sequencing)

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ATGGCCACCAGGCGTTTAAACCGACGCTTCTTGTGTTGCGGAATAATTCCATCCAAAAC
CGGCAGCTGTTAGCCGAGCAACTTGCTGATGACCGTATGGCACTGGTGTCAGGCATCAGC
TTAGATCCAGAAGCAGCGATTGGTGTGACAAAACGGCCACCTCCTAAGTGGGTGGATGGA
GTGGATGAAATTCAGTATGATGTTGGCCGATTAAGCAGAAGATGAAAGAATTGGCCAGC
CTTCATGACAAGCATTTAAACAGACCCACCCTGGATGACAGCAGCGAAGAGGAACATGCC
ATTGAGATAACTACCAAGAGATCACTCAGCTCTCCACAGGTGCCAGCGTGCCGTGCAG
GCCCTGCCGAGCCGGCCCGGCCTGCTCCGAGCAGGAGGGCGGCTGCTTGGGAACGTG
GTGGCCTCGCTGGCGCAGGCCCTGCAGGAAGCTCCACCAGCTCCGGCACGCACAATCA
GGCTACCTCAAACGCATGAAGAATCGAGAGGAAAGATCCAGCATTTTTTCGACACATCA
GTACCACTAATGGATGATGGAGACGATAACACTCTTACCATCGGGGTTTTACAGAGGAC
CAGTTAGTTCTGGTGGAGCAGAACAACACTGATGGTGAAGAGCGGGAACGAGAGATTGCG
CAGATTGTACAGTCCATTTCTGACCTGAATGAAATATTCAGGGACTTAGGGGCGATGATT
GTAGAACAGGGTACAGTCCTTGACAGAATTGACTATAACGTTGAACAGTCCTGTATCAAA
ACTGAAGATGTTTGAACAGCTTCAACAGGCAGAACAGTATCAAAGAAGAATCGGAAG
ATGCTTGTGATTTAATATTATTTGTCATCATCATTGTGCTCATTGTTGCTCCTCGTTGGC
GTGAAGTCTCGATAA

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Clone variation with respect to NM_003763.5
477 g=>a



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_003763 unedited ATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGGCGAAGCGCACAGCTGCATC TTTTTGGCTTGAGGCCTGAGGCCTTGTCGAGAAGCTTCCGTGAAAGGGTGGGCCAGCCGG GCCACGAGAAAGAAAGTGAATAAATCAGGAATATAAGTGGGCGGGGGCCCTGAGAGGG GGGTCGCAAAGGGTGAGACATGGCCACCAGGCGTTAACCGACGCTTCTTGTGTTGGC GAATAATTCATCCAAAACCGGCAGCTGTAGCCGAGCAACTTGCTGATGACCGTATGGC ACTGGTGCAGGCATCAGCTTAGATCCAGAAGCAGCGATTGGTGTGACAAAACGGCCACC TCCTAAGTGGGTGGATGGAGTGGATGAAATTCAGTATGATGTTGGCCGGATTAAGCAGAA GATGAAAGAATTGGCCAGCCTTCATGACAAGCATTAAACAGACCACCCTGGATGACAG CAGCGAAGAGGAACATGCCATTGAGATAACTACCCAAGAGATCACTCAGCTCTTCCACAG GTGCCAGCGTGCCGTGCAGGCCCTGCCGAGCCGGGCCCGGCCTGCTCCGAGCAGGAGGG GCGGCTGCTTGGGAACGTGGTGGCCTCGCTGGCGCANGCCCTGCANGAACTCTNCACCAG CTTNCGGCACGCACAATCAGGCTACCTCANACGCATGAAGAATCGAGAGGAAAGATCCCA GCATTNTTTTCGACACATCAGTACCACTAATGGATGATGGAGACGATAAACTCTTTACC CATCGGGTTNTACAGAGGACCAGNTAGTTNCTGGGTGAAGCAGACACACTGATGGTGGNA AGAGCGGAACGAGAGATCNACAGATGTACAGTCCATTTCTGACCTGATGAAATATCAGGA CTTAGGGCGATATTGTNAAAAGGTACAGTCTC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_003763 unedited AGCTTGNACCCGGCCGATTCTANGATCGGTTTTTTTTTTTTTTTTTTTGGACGGAGCCT CGCTCTGTCAACCAGGCTGGAGTGCAGTGGTGTGATCTCGGCTCACTGCAACCTCTGCCT CCCGGTTCAAGCTATTCTCCTGCCTCAGCCTCTTGAGTAGCTGGGATTACAGGCGTGT CCACCCGGCTAATTTTTGTATTTTTGTAGAGACGGGTTTACCATGTTGGCTAGGCTG GTCTCGAACTCCTGACCTCGTGACCGCCTTGGCCTCTCAAAGTCTGGGATTACAGGCGTG AGCCACCAGCCAGCCCTCCTTAAAACAGTTTCTAATTAGATCCGTTATTTTACCCAA ATGGGTTGAGGGAACAAAACCAACCCTCATCACCTATTTGGTAAAATAAATAAAAA AAAGATGATCCTCTTAAAGGGTACCTTCTTCAGGGGTTTGTAAAGACTCAGCACTTT AAAAAGCTTGAACAGAAATCCGGTATTGCCACTGTGGACTGTTTTTGGAGCAAGTCCCT AATGTGGACAGCCACACCTAAGAGCAGCAGATCTAAGTGGAAAGTCTCAACCATGGG TAAAAATCAGACGGGATGAAAGAACACCTGCAGTACTCTCAACAGCTACGGAAGTCTCA CATTGCACGGCTGACTGATGAAGTGTGCTTCTTATTCTCCGGCCCTTTTCTTAGCAA TGTGGTAGGGAAACCAAGTTCCCTTTCCCTGAATGCCAGGGGCCCTTAAAGACCTTTTCA TTTCCCAACCCATTGTAATTGAAAACCCCGGGCTTCTGCAAGTGGGCCCAACCTT GAAAAGGGAAGCCTGGCCCGGTTTTGCCACTAAACCATGATCTGTGGGAAAATTTAA TTTTTGGATTTGACTAAAAATTCTGTACACAACCTTAAGACACTTCAAAAACATTTGTA</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_003763
Insert Size:	3410 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).
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:	NM_003763.3 , NP_003754.2
RefSeq Size:	4896 bp
RefSeq ORF:	915 bp
Locus ID:	8675
UniProt ID:	O14662
Cytogenetics:	20q13.32
Domains:	t_SNARE, SynN
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	SNARE interactions in vesicular transport
Gene Summary:	<p>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 Ib. 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]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site and lacks an alternate in-frame exon in the 5' coding region, compared to variant 1, resulting in a shorter isoform (b, also referred to as isoform A), compared to isoform a. 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>