

## Product datasheet for **SC325749**

### Syntaxin 16 (STX16) (NM\_001134773) Human Untagged Clone

#### Product data:

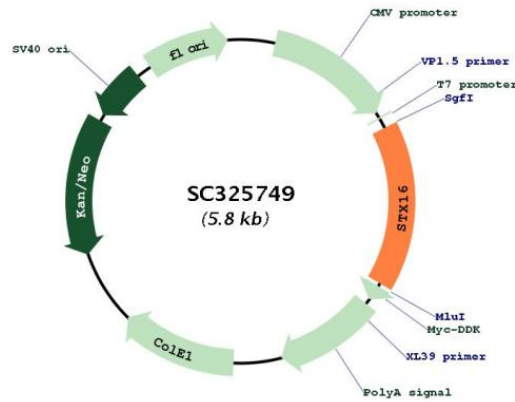
Product Type:	Expression Plasmids
Product Name:	Syntaxin 16 (STX16) (NM_001134773) Human Untagged Clone
Tag:	Tag Free
Symbol:	STX16
Synonyms:	SYN16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325749 representing NM_001134773. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCACCAGGCGTTTAAACCGACGCTTCTTGTGTTGCGGAATAATTCCATCCAAAACCGGCAGCTG
TTAGCCGAGCAAGAGCTGGACGAGCTTGCTGATGACCGTATGGCACTGGTGTGAGGCATCAGCTTAGAT
CCAGAAGCAGCGATTGGTGTGACAAAACGGCCACCTCCTAAGTGGGTGGATGGAGTGGATGAAATTCAG
TATGATGTTGGCCGGATTAAGCAGAAGATGAAAGAATTGGCCAGCCTTCATGACAAGCATTTAAACAGA
CCCACCCTGGATGACAGCAGCGAAGAGGAACATGCCATTGAGATAACTACCAAGAGATCACTCAGCTC
TTCCACAGGTGCCAGCGTGCCGTGCAGGCCCTGCCGAGCCGGCCCGGGCCTGCTCCGAGCAGGAGGGG
CGGCTGCTTGGGAACGTGGTGGCCTCGCTGGCGCAGGCCCTGCAGGAACCTCCACCAGCTCCGGCAC
GCACAGTCAGGCTACCTCAAACGCATGAAGAATCGAGAGGAAAAGATCCCAGCATTTTTTCGACACATCA
GTACCACTAATGGATGATGGAGACGATAAACTCTTTACCATCGGGGTTTACAGAGGACCAGTTAGTT
CTGGTGGAGCAGAACACACTGATGGTGGAAAGAGCGGGAACGAGAGATTGCCAGATTGTACAGTCCATT
TCTGACCTGAATGAAATATTCAGGGACTTAGGGCGATGATTGTAGAACAGGGTACAGTCCTTGACAGA
ATTGACTATAACGTTGAACAGTCCTGTATCAAACTGAAGATGGTTTGAACAGCTTCACAAGGCAGAA
CAGTATCAAAAGAAGAATCGGAAGATGCTGTGATTTTAAATATTTTGTATCATCATTGTGCTCATT
GTTGTCCTCGTTGGCGTGAAGTCTCGATAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001134773

**Insert Size:** 927 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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.

**RefSeq:** [NM\\_001134773.2](https://www.ncbi.nlm.nih.gov/nuccore/NM_001134773.2)

**RefSeq Size:** 4927 bp

**RefSeq ORF:** 927 bp

<b>Locus ID:</b>	8675
<b>UniProt ID:</b>	<a href="#">O14662</a>
<b>Cytogenetics:</b>	20q13.32
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	SNARE interactions in vesicular transport
<b>MW:</b>	35.3 kDa
<b>Gene Summary:</b>	<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 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]</p> <p>Transcript Variant: This variant (4) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1, resulting in a shorter isoform (d), compared to isoform a.</p> <p>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>