OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC331621

Syntaxin 16 (STX16) (NM_001204868) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syntaxin 16 (STX16) (NM_001204868) Human Untagged Clone
Tag:	Tag Free
Symbol:	Syntaxin 16
Synonyms:	SYN16
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC331621 representing NM_001204868. Blue=Insert sequence Red=Cloning site Green=Tag(s) ATGGCACTGGTGTCAGGCATCAGCTTAGATCCAGAAGCAGCGATTGGTGTGACAAAACGGCCACCTCCT AAGTGGGTGGATGGAGTGGATGAAATTCAGTATGATGTTGGCCGGATTAAGCAGAAGATGAAAGAATTG GCCAGCCTTCATGACAAGCATTTAAACAGACCCACCCTGGATGACAGCAGCGAAGAGGAACATGCCATT GAGATAACTACCCAAGAGATCACTCAGCTCTTCCACAGGTGCCAGCGTGCCGTGCAGGCCCTGCCGAGC CGGGCCCGGGCCTGCTCCGAGCAGGAGGGGCGGCTGCTTGGGAACGTGGTGGCCTCGCTGGCGCAGGCC CTGCAGGAACTCTCCACCAGCTTCCGGCACGCACAGTCAGGCTACCTCAAACGCATGAAGAATCGAGAG GAAAGATCCCAGCATTTTTTCGACACATCAGTACCACTAATGGATGATGGAGACGATAACACTCTTTAC CATCGGGGTTTTACAGAGGACCAGTTAGTTCTGGTGGAGCAGAACACACTGATGGTGGAAGAGCGGGAA CGAGAGATTCGCCAGATTGTACAGTCCATTTCTGACCTGAATGAAATATTCAGGGACTTAGGGGCGATG ATTGTAGAACAGGGTACAGTCCTTGACAGAATTGACTATAACGTTGAACAGTCCTGTATCAAAACTGAA GATGGTTTGAAACAGCTTCACAAGGCAGAACAGTATCAAAAGAAGAATCGGAAGATGCTTGTGATTTTA ATATTATTTGTCATCATCATTGTGCTCATTGTTGTCCTCGTTGGCGTGAAGTCTCGATAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001204868
Insert Size:	819 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).

View online »

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_001204868.1
RefSeq Size:	4340 bp
RefSeq ORF:	819 bp
Locus ID:	8675
UniProt ID:	O14662
Cytogenetics:	20q13.32
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	SNARE interactions in vesicular transport
MW:	31.1 kDa
Gene Summary:	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] Transcript Variant: This variant (5) differs in the 5' UTR, lacks a portion of the 5' coding region, and uses a downstream start codon, compared to variant 1. The encoded isoform (e) is shorter at the N-terminus, 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.