

Product datasheet for **SC334564**

STX10 (NM_001271609) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STX10 (NM_001271609) Human Untagged Clone
Tag:	Tag Free
Symbol:	STX10
Synonyms:	hsyn10; SYN10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001271609, the custom clone sequence may differ by one or more nucleotides

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ATGTCTCTCGAAGACCCCTTTTTGTAGTCCGAGGCGAGGTGCAGAAGGCGGTGAACACGGCCCGGGG  
TGTACCAGCGCTGGTGCAGCTCCTGCAGGAAAGCGCGCGGTCCGACGCGAGGAGCTGGACTGGACGAC  
CAATGAGCTGCGGAATGGCCTGCGCAGCATCGAGTGGGACCTCGAGGACCTGGAAGAGACCATCGGTATA  
GTGGAAGCCAACCCAGGCAAGTTCAAGCTCCCAGCCGGGACCTGCAGGAGAGAAAGGTGTTCTGGAGC  
GGATGCGAGAGGCAGTCCAGGAAATGAAGGACCATATGGTCAGCCCAACAGCCGTAGCATTTTTGGAGAG  
GAATAACAGAGAGATACTCGCAGGCAAGCCAGCTGCCAGAAGTCACCCAGCGACCTGCTGGATGCCAGC  
GCAGTCTCGGCCACATCTCGCTACATCGAGGAGCAGCAGGCCACACAGCAGCTGATCATGGATGAACAGG  
ATCAACAGCTGGAGATGGTGTCTGGGAGCATCCAGTTCTGAAGCACATGTCCGGCCGCGTTGGAGAAGA  
GCTGGACGAGCAGGCATGCTGGATGCCTTCGCCAAGAGATGGACCACACCCAGTCCCAGTGGACGGGG  
TCCTCAGGAAGTTGGCCAAAGTATCCCACATGA
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001271609
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:

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_001271609.1](#), [NP_001258538.1](#)

RefSeq Size: 1316 bp

RefSeq ORF: 663 bp

Locus ID: 8677

Cytogenetics: 19p13.13

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: SNARE interactions in vesicular transport

Gene Summary: This gene belongs to the syntaxin family and encodes a soluble N-ethylmaleimide sensitive factor attachment protein receptor (SNARE). The encoded protein is involved in docking and fusion events at the Golgi apparatus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2012]
Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region, which results in a frameshift, compared to variant 1. It encodes isoform 2, which has a shorter and distinct C-terminus, compared to isoform 1.