

## Product datasheet for **SC333072**

### STX10 (NM\_001271611) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** STX10 (NM\_001271611) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** STX10  
**Synonyms:** hsyn10; SYN10  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC333072 representing NM\_001271611.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGTCTCTCGAAGACCCCTTTTTGTAGTCCGAGGCGAGGTGCAGAAGGCGGTGAACACGGCCCGGGG
CTGTACCAGCGTGGTGCAGCTCCTGCAGAAAGCGCGCGGTCCGACGCGAGGAGCTGGACTGGACG
ACCAATGAGCTGCGGAATGGCCTGCGCAGCATCGAGTGGGACCTCGAGGACCTGGAAGAGACCATCGGT
ATAGTGAAGCCAACCCAGGCAAGCCAGCTGCCAGAAGTCAACCAGCGACCTGCTGGATGCCAGCGCA
GTCTCGGCCACATCTCGCTACATCGAGGAGCAGCAGGCCACACAGCAGCTGATCATGGATGAACAGGAT
CAACAGCTGGAGATGGTGTCTGGGAGCATCCAGTTCTGAAGCACATGTCCGGCCCGTTGGAGAAGAG
CTGGACGAGCAGGCATCATGCTGGATGCCTTCGCCAAGAGATGGACCACCCAGTCCCGCATGGAC
GGGTCTCAGGAAGTTGGCCAAAGTATCCACATGACGAGTGACCGCCGACAGTGGTGTGCCATCGCC
GTGCTAGTGGGGTGCTTCTCCTCGTTCTCATCTTACTATTCTCTCTGA
```

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001271611  
**Insert Size:** 603 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).



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**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\\_001271611.1](#)

**RefSeq Size:** 1173 bp

**RefSeq ORF:** 603 bp

**Locus ID:** 8677

**UniProt ID:** [O60499](#)

**Cytogenetics:** 19p13.13

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** SNARE interactions in vesicular transport

**MW:** 22.4 kDa

**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 (4) uses two alternate splice sites and lacks an internal exon, resulting in the loss of an in-frame segment in the coding region, compared to variant 1. This results in a shorter isoform (4), compared to isoform 1.