

## Product datasheet for **RG233424**

### STX10 (NM\_001271611) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** STX10 (NM\_001271611) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** STX10  
**Synonyms:** hsyn10; SYN10  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG233424 representing NM\_001271611  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCTCTCGAAGACCCCTTTTTGTAGTCCGAGGCGAGGTGCAGAAGCGGTGAACACGGCCCGGGC  
TGTACCAGCGCTGGTGCAGCTCCTGCAGGAAAGCGGGCGGTCCGACCGGAGGACTGGACTGGACGAC  
CAATGAGCTGCGGAATGGCTGCGCAGCATCGAGTGGGACCTCGAGGACCTGGAAGACCATCGGTATA  
GTGGAAGCCAACCCAGGCAAGCCAGCTGCCAGAAGTCAACCAGCGACCTGCTGGATGCCAGCGCAGTCT  
CGCCACATCTCGCTACATCGAGGAGCAGCAGGCCACACAGCAGCTGATCATGGATGAACAGGATCAACA  
GCTGGAGATGGTGTCTGGGAGCATCCAGTTCTGAAGCACATGTCCGGCCGCGTTGGAGAAGAGCTGGAC  
GAGCAGGGCATCATGCTGGATGCCTTCGCCAAGAGATGGACCACACCCAGTCCCGCATGGACGGGGTCC  
TCAGGAAGTTGGCCAAAGTATCCACATGACGAGTGACCGCCGACAGTGGTGTGCCATCGCCGTGCTAGT  
GGGGGTGCTTCTCCTCGTTCTCATCTTACTATTCTCTCTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG233424 representing NM\_001271611  
Red=Cloning site Green=Tags(s)

MSLEDPPFVVRGEVQKAVNTARGLYQRWCELLQESA AVGREELDWTTNELRNGLRSIEWDLEDLEETIGI  
VEANPGKPAQAQKSPDLLDASAVSATSRYIEEQATQQLIMDEQDQQLMVSQSIQVLKHMGRVGEELD  
EQGIMLDAFAQEMDHTQSRMDGVLRLKAKVSHMTSDRRQWCAIAVLVGVLLLVLILLFSL

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_001271611

**ORF Size:** 600 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001271611.2](#)

**RefSeq Size:** 1173 bp

**RefSeq ORF:** 603 bp

**Locus ID:** 8677

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

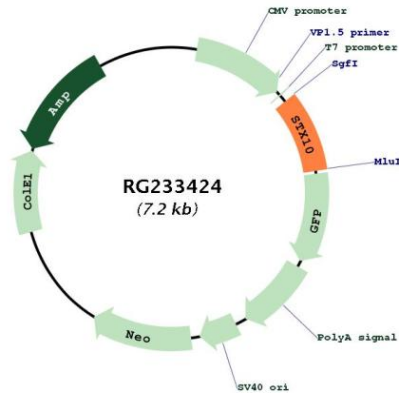
**Cytogenetics:** 19p13.13

**Protein Families:** Druggable Genome, Transmembrane

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

**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]

### Product images:



Circular map for RG233424