

## Product datasheet for **RG206571**

### STX11 (NM\_003764) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** STX11 (NM\_003764) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** STX11  
**Synonyms:** FHL4; HLH4; HPLH4  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG206571 representing NM\_003764  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAAAGACCGGCTAGCAGAAGTTCTGGACTTGTCCAAGCAATATGACCAGCAGTCCCAGACGGGGACG  
 ATGAGTTTGACTCGCCCCACGAGGACATCGTGTTCGAGACGGACCACATCCTGGAGTCCCTGTACCGAGA  
 CATCCGGGACATTCAGGATGAAAACCAGCTGCTGGTGGCCGACGTGAAGCGGCTGGGAAAGCAGAACGCC  
 CGCTTCTCACGTCCATGCGGCGCCTCAGCAGCATCAAGCGCGACACCAACTCCATCGCCAAGGCCATCA  
 AGGCCCGGGCGAGGTCACTCCACTGCAAGCTGCGCGCCATGAAGGAGCTGAGCGAGGCGGCTGAGGCCCA  
 GCACGGCCCGCACTCGGCAGTGGCGCGCATTTTCGCGGGCGCAGTACAACGCGCTCACCTCACCTCCAG  
 CGCGCCATGCACGACTACAACCAGGCCGAGATGAAGCAGCGCGACAAGTCAAGATCCGATCCAGCGCC  
 AGCTGGAGATCATGGCAAGGAAGTCTCGGGCGACCAGATCGAGGACATGTTTCGAGCAGGGTAAGTGGGA  
 CGTGTTCGAGAACTTGTGGCCGACGTGAAGGGCGCGGGCCGCCCTCAACGAGATCGAGAGCCGC  
 CACCGGAACTGCTGCGCCTGGAGAGCCGATCCGCGACGTACACGAGCTTCTTTCGAGATGGCGGTGC  
 TGGTGGAGAAGCAGGCCGACACCCTGAACGTATCGAGCTCAACGTACAAAAGACGGTCGACTACACCGG  
 CCAGGCCAAGGCGCAGGTGCGGAAGGCCGTGCAGTACGAGGAGAAGAACCCTGCCGGACCCTCTGCTGC  
 TTCTGCTGTCCCTGCCTCAAG

**ACGCGT**ACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG206571 representing NM\_003764  
Red=Cloning site Green=Tags(s)

MKDRLAELLDL SKQYDQQFPDGDDEF DSPHEDIVFETDHI LESLYRDIRDIQDENQLLVADV KRLGKQNA  
 RFLTSMRRLSSIKRDTNSIAKAIKARGEVIHCKLRAMKELSEAAEAQHGPSAVARISRAQYNALTLTFQ  
 RAMHDYNQAEMKQRDNCKIRIQRQLEIMGKEVSGDQIEDMFEQGWDFSENLLADVKGARAALNEIESR  
 HRELLRLESRI RDVHELFLQMAVLVEKQADTLNVIELNVQKTVDYTGQAKAQVRKAVQYEEKNPCRTLCC  
 FCCPCLK

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_003764

**ORF Size:** 861 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\\_003764.4](#)

**RefSeq Size:** 1970 bp

**RefSeq ORF:** 864 bp

**Locus ID:** 8676

**UniProt ID:** [O75558](#)

**Cytogenetics:** 6q24.2

**Domains:** SynN

**Protein Families:** Druggable Genome

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

**Gene Summary:** This gene encodes a member of the syntaxin family. Syntaxins have been implicated in the targeting and fusion of intracellular transport vesicles. This family member may regulate protein transport among late endosomes and the trans-Golgi network. Mutations in this gene have been associated with familial hemophagocytic lymphohistiocytosis. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RG206571