

## STX11 cDNA

Catalog Number: ATGD0174

### PRODUCT INFORMATION

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**Catalog number**

ATGD0174

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_003755.2

**Alternative Names**

FHL4, HLH4, HPLH4

**mRNA Refseq**

NM\_003764.3

**OMIM**

605014

**Chromosome location**

6q24.2

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

864bp

**Preparation before usage**

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

**Vector description**

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

**Cloning Vector**

pATGen (puc19-derived cloning vector)

**General Description**

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STX11 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.

## DATA

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### Sequence nucleotides

```
ATGAAAGACCGGCTAGCAGAACTTCTGGACTTGTCCAAGCAATATGACCAGCAGTTCCTCAGACGGGGACGATGAGTTTGAC
TCGCCCCACGAGGACATCGTGTTTCGAGACGGACCACATCCTGGAGTCCCTGTACCGAGACATCCGGGACATTCAGGATGAA
AACCAGCTGCTGGTGGCCGACGTGAAGCGGCTGGGAAAGCAGAACGCCCCGTTTCTCACGTCCATGCGGCGCCTCAGCAG
CATCAAGCGCGACACCAACTCCATCGCCAAGGCCATCAAGGCCCGGGGCGAGGTCATCCACTGCAAGCTGCGCGCCATGA
AGGAGCTGAGCGAGGCGGCTGAGGCCAGCACGGCCCGCACTCGGCAGTGGCGCGCATTTCGCGGGGCGCAGTACAACGC
GCTCACCTCACCTTCCAGCGCGCCATGCACGACTACAACCAGGCCGAGATGAAGCAGCGCGACAAGTCAAGATCCGCAT
CCAGCGCCAGCTGGAGATCATGGGCAAGGAAGTCTCGGGCGACCAGATCGAGGACATGTTTCGAGCAGGGTAAGTGGGAC
GTGTTTTCCGAGAACTTGTGTCGCGACGTGAAGGGCGCGCGGGCCGCCCTCAACGAGATCGAGAGCCGCCACCGCGAACT
GCTGCGCCTGGAGAGCCGCATCCGCGACGTACACGAGCTCTTCTTGCAGATGGCGGTGCTGGTGGAGAAGCAGGCCGACA
CCCTGAACGTCATCGAGCTCAACGTACAAAAGACGGTCGACTACACCGGCCAGGCCAAGGCGCAGGTGCGGAAGGCCGTG
CAGTACGAGGAGAAGAACCCTGCCGGACCCTCTGCTGCTTCTGCTGTCCCTGCCTCAAGTAG
```

### Transaction Sequence

```
MKDRLAELL D LSKQYDQFP DGDDEFDSPH EDIVFETDHI LESLYRDIRD IQDENQLLVA DVKRLGKQNA RFLTSMRRLS
SIKRDNTNSIA KAIKARGEVI HCKLRAMKEL SEAAEAQHGP HSAVARISRA QYNALTLTFQ RAMHDYNQAE MKQRDNCKIR
IQRQLEIMGK EVSGDQIEDM FEQKWDVFS ENLLADVKG A RAALNEIESR HRELLRLES R IRDVHELFLQ MAVLVEKQAD
TLNVIELNVQ KTVDYTGQAK AQVRKAVQYE EKNPCRTLCC FCCPCLK
```