

STX11 cDNA

Catalog Number: ATGD0174

PRODUCT INFORMATION

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

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

STX11 cDNA

Catalog Number: ATGD0174

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

Sequence nucleotides

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

Transaction Sequence

```
MKDRLAELLD LSKQYDQFP DGDDEFDSPH EDIVFETDHI LESLYRDIRD IQDENQLLVA DVKRLGKQNA RFLTSMRRLS
SIKRDNTNSIA KAIKARGEVI HCKLRAMKEL SEAAEAQHGP HSAVARISRA QYNALTLTFQ RAMHDYNQAE MKQRDNCKIR
IQRQLEIMGK EVSGDQIEDM FEQKWDVFS ENLLADVKG ARAALNEIESR HRELLRLESR IRDVHELFLQ MAVLVEKQAD
TLNVIELNVQ KTVDYTGQAK AQVRKAVQYE EKNPCRTLCC FCCPCLK
```