

Product datasheet for **RC206571**

STX11 (NM_003764) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STX11 (NM_003764) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	STX11
Synonyms:	FHL4; HLH4; HPLH4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC206571 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAGACCGGCTAGCAGAAGTCTGGACTTGTCCAAGCAATATGACCAGCAGTCCCAGACGGGGACG
ATGAGTTTGACTCGCCCCACGAGGACATCGTGTTCGAGACGGACCACATCCTGGAGTCCCTGTACCGAGA
CATCCGGGACATTCAGGATGAAAACCAGCTGCTGGTGGCCGACGTGAAGCGGCTGGGAAAGCAGAACGCC
CGCTTCTCACGTCCATGCGGCGCCTCAGCAGCATCAAGCGCGACACCAACTCCATCGCCAAGGCCATCA
AGGCCCGGGGCGAGGTCACTCCACTGCAAGCTGCGCGCCATGAAGGAGCTGAGCGAGGCGGCTGAGGCCCA
GCACGGCCCGCACTCGGCAGTGGCGCGCATTTCGCGGGCGCAGTACAACGCGCTCACCTCACCTCCAG
CGCGCCATGCACGACTACAACCAGGCCGAGATGAAGCAGCGCGACAAGTCAAGATCCGATCCAGCGCC
AGCTGGAGATCATGGCAAGGAAGTCTCGGGCGACCAGATCGAGGACATGTTTCGAGCAGGGTAAGTGGGA
CGTGTTCGAGAACTTGTGGCCGACGTGAAGGGCGCGGGCCGCCCTCAACGAGATCGAGAGCCGC
CACCGGAAGTGTGCGCCTGGAGAGCCGATCCGCGACGTACACGAGCTCTTCTGCAGATGGCGGTGC
TGGTGGAGAAGCAGGCCGACACCCTGAACGTATCGAGCTCAACGTACAAAAGACGGTCGACTACACCGG
CCAGGCCAAGGCGCAGGTGCGGAAGCCGTGCAGTACGAGGAGAAGAACCCTGCCGACCCTCTGCTGC
TTCTGCTGTCCCTGCCTCAAG

ACGCGTACGCGGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC206571 protein sequence
Red=Cloning site Green=Tags(s)

MKDRLAELLDLSKQYDQQFPDGDDEFDSPHEDIVFETDHILESLYRDIRDIQDENQLLVADVKRLGKQNA
 RFLTSMRRLSSIKRDTNSIAKAIKARGEVIHCKLRAMKELSEAAEAQHGPSAVARISRAQYNALTLTFQ
 RAMHDYNAEMKQRDNCKIRIQRQLEIMGKEVSGDQIEDMFEQGWVDFENLLADVKGARAALNEIESR
 HRELLRLESRIRDVHELFLQMAVLVEKQADTLNVIELNVQKTVDYTGAKAQVRKAVQYEEKNPCRTLCC
 FCCPCLK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6017_e09.zip

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: 5509 bp

RefSeq ORF: 864 bp

Locus ID: 8676

UniProt ID: [O75558](#)

Cytogenetics: 6q24.2

Domains: SynN

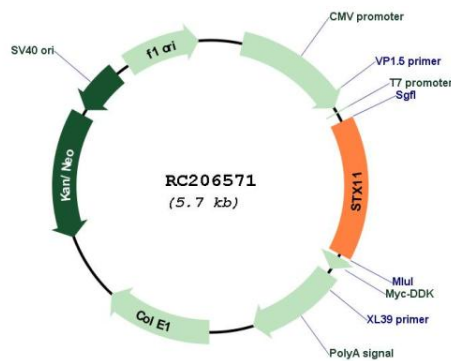
Protein Families: Druggable Genome

Protein Pathways: SNARE interactions in vesicular transport

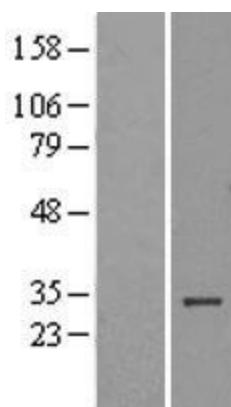
MW: 33.2 kDa

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 RC206571



Western blot validation of overexpression lysate (Cat# [LY401241]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206571 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).