

Product datasheet for **SC117748**

STX11 (NM_003764) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STX11 (NM_003764) Human Untagged Clone
Tag:	Tag Free
Symbol:	STX11
Synonyms:	FHL4; HLH4; HPLH4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_003764 edited
 GAATTCGGCACGAGCGCGCGGAGCTCGGGCGGCCGTGGAGGAACTCAGCCTCGGCCGCA
 GGAGGCGCCGGGAGCGGAGCCGCGGGAGTTCGCGCAACAGGTTTCTTCTCCATCGCTGC
 GCCACAGGGGACGCGCGCCCTGCCGGGAGAGGGGCTTCTCGTTTCGCACTCTCGCTCCC
 AGTCCAGGCAAAATGAAAGACCGGCTAGCAGAATTCTGGACTTGTCCAAGCAATATGAC
 CAGCAGTCCCAGACGGGACGATGAGTTTACTCGCCCCACGAGGACATCGTGTTCGAG
 ACGGACCACATCCTGGAGTCCCTGTACCGAGACATCCGGGACATTCAGGATGAAAACCA
 CTGCTGGTGGCCGACGTGAAGCGGCTGGGAAAGCAGAACGCCCGCTTCTCACGTCCATG
 CGGCGCCTCAGCAGCATCAAGCGCGACACCAACTCCATCGCCAAGGCCATCAAGGCCGG
 GCGAGGTCATCCACTGCAAGCTGCGCGCCATGAAGGAGCTGAGCGAGGCGGCTGAGGCC
 CAGCACGGCCCGCACTCGGCAGTGGCGGCATTTCCGGGCGCAGTACAACGCGCTCACC
 CTCACCTTCCAGCGGCCATGCACGACTACAACCAGGCCGAGATGAAGCAGCGGACAAC
 TGCAAGATCCGCATCCAGCGCCAGCTGGAGATCATGGCAAGGAAGTCTCGGGCGACCAG
 ATCGAGGACATGTTTCGAGCAGGTAAGTGGGACGTGTTTTCCGAGAACTTGTGGCCGAC
 GTGAAGGGCGCGGGGCCGCCCTCAACGAGATCGAGAGCCGCCACCGGAACTGTGCGC
 CTGGAGAGCCGCATCCGCGACGTACACGAGCTTCTTTCAGATGGCGGTGCTGGTGGAG
 AAGCAGGCCGACACCCTGAACGTATCGAGCTAACGTACAAAAGACGGTCGACTACACC
 GGCCAGGCCAAGGCGCAGGTGCGGAAGGCCGTGCAGTACGAGGAGAAGAACCCTGCCGG
 ACCCTCTGCTGCTTCTGCTGTCCCTGCCTCAAGTAGCAGGCCGGCCCGGGCCGCCACCGC
 CCATCCCAGACCATGGAGCGCGTGGGAAGGACGCACCAAGCCGGGAGCTTGCCTGC
 AGGGAGTTGCCCAACCCCTTCCGGAATCAGTCTTTAGAAAAGAAACGCCAGGTTCAAG
 AATTGCAAACACGCTGTGCTTGGAAAGATGGTTAGTTGATACCGTCCGATGATTCTTCA
 GTAAAGATAGATCCCACAAAGTTGTGCAATGTCATTATATGACACCTTGCACCTTACC
 GTCTTGACAGAAGCCAAGTAAGGAAGTGAAGTTGTATCTGACTGTAGGGTGAATGTCTGA
 GGCTGCCTCCTAATAAAGACTCAAGGAGGAAGTCAATTGGGCATCTGCTAATAGAATGA
 ACTCATGATGAAACTTCAGTTCATTTACTTTGCTGAAAATCCCTGGTTCTGTTCCA
 TTTTGAGCGAAATGGCCTTGGGAAAAACACGTTCTTCTTTCCGATTCTTCATCCGGT
 CTACGCTATGCAATTCCTCCCAATATAGATCTTATTTCTGCTCATTCCCTACTTAT
 TAAATCACACCAACACTTACTATTTTCTTATCTTTTCACTTTTTAAATATCTTTAC
 CAGGTTATATTTTGGTATTATTTTCCAAACATTTTAAAGCACTGAATATCGAACAGCA
 CTCAAATGAAGTATCAGTCATGTTTTGTGATTTTTCGCTGATAAAAAATATTTAACAT
 TTATATTTTACTTGATTACATATGCACATGTATGTAATGTAATAACTAATATTTCACT
 AATATATGTACATAATGATCAATTGGTTAACTCTTTTATGTAAGTATGGTATATAAAT
 TTCAAGACGAACAACTCGAC

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003764 unedited
 GTCACCATTTGTATACGACTCACTATAGGCGGCCGCGNAATTCGCACGAGCGGCGGGAG
 CTCGGGCGGCCGTGGAGGAACTCAGCCTCGGCCGAGGAGCGCCGGGAGCGGAGCCGCC
 GGGAGTCGCGCAACAGGTTTCTTCTCCATCGCTGCGCCACAGGGGACGCGCCCTGC
 CGGGAGAGGGGCTTCTCGGTTGCACTCTCGTCCCAGTCCAGGCAAAATGAAAGACCGG
 CTAGCAGAACTTCTGGACTTGTCCAAGCAATATGACCAGCAGTCCCAGACGGGACGAT
 GAGTTTACTCGCCCCACGAGGACATCGTGTTCGAGACGGACCACATCCTGGAGTCCCTG
 TACCGAGACATCCGGGACATTGAGGATGAAAACAGCTGCTGGTGGCCGACGTGAAGCGG
 CTGGGAAAGCAGAACGCCGCTTCTCACGTCCATGCGGCGCCTCAGCAGCATCAAGCGC
 GACACCAACTCCATCGCCAAGGCCATCAAGGCCCGGGGCGAGGTCATCCACTGCAAGCTG
 CGCGCCATGAAGGAGCTGAGCGAGGCGGCTGAGGCCAGCACGGCCCGCACTCGGCAAGT
 GCGCGCATTTGCGGGGCGAGTACAACGCGCTCACCTCACCTTNCAGCGCGCCATGCAC
 GACTACAACCAGGCCGAGATGAAGCAGCGGACAAGTGAAGATCCGCATCCAGCGCCAG
 CTGGAGATCATGGGGCAGGAAGTCTCGGGCAGCAGATCGAGGACATGTTTCGAGCAGGTA
 AGTGGGACGTGTTTTCCGAGACTTTGCTGCCGACGTGAATGGCGCGGGGCCGNCCTC
 ACGAGATCGAGAGCCGACCCGGAAGTCTGCGCCTGAAAAGCCGNTNCGCGACGTACAC
 GAGCTCTTTGCAATGCCGTGCTGGTGGAAAACAG

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_003764 unedited NGGGTTTTTACTAGNNACCGCGGCCGATTCTANGATCGAATTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTTTTTGGTCGCTTGGAAATTATATACCATACTTACCTAAAAAAG TTAACCAATTGATCATTATGTACATATATTAATGAATATTAATTTTTACATTTACATA CATGTGCCTATGTAATCAAGTAAAAATATAAATGTTAAATAATTTTTATCAGCGAAAAA CACCAAACATGACTGATACTTCAATTTGAGTGCTTGTTCGATATTCAGTGCTTAAAAATG TTTGGAAAAATAATACCCAAATATAACCTGGTGAAAGATATTTAAAAAGTGAAGAGATA AGAAAATAGTAAGTGTTTGGTGTGATTTTAATAAGTAGGGGAAAATGAGCAGAAAATAGAT CTATATTTGGGGAGGAATTGCATAACGTAACCGGATGAAAAATCCGAAAGGAAGAACGT GGTTTTTCCCAAGGCAATTTTCGCTCAAATGGAACAGAACCCAGGAATTTTCAGGACAA AGTAAATGAAGTGAAGTTCCATCATGAGTTCATTCTATTAACAGATGCCCAATTGACTT CCTCCTTGAGTCTTTATTAAGAGGCAGGCCTCAAACATTCACCCTACAGTCAGATACAAC TTCAGTTCCTTACTTGGCTTCTGTCAAGACGGTAAAAATGCAAGGGGTATATAATGACA TTGCACAACCTTTGTGGGAATCTATCTTTACTGAAGAATCATCGGACGGTATCAACTAACC ATCTTTCCAAGCCAAGGCTGGTTTGAATTCTTGGACCTGGCGTTTCTTTCTAAAGACT GAGTTCGCGAAAGGGTTGGGGCAACTCCCTGCAAGGCAAAACTCCCGGCTTTG
Restriction Sites:	NotI-NotI
ACCN:	NM_003764
Insert Size:	2250 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none"> 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:	<u>NM_003764.2</u> , <u>NP_003755.2</u>
RefSeq Size:	1970 bp
RefSeq ORF:	864 bp
Locus ID:	8676
UniProt ID:	<u>Q75558</u>
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]