

Product datasheet for **SC115797**

STXBP2 (NM_006949) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STXBP2 (NM_006949) Human Untagged Clone
Tag:	Tag Free
Symbol:	STXBP2
Synonyms:	FHL5; Hunc18b; MUNC18-2; pp10122; UNC18-2; UNC18B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_006949 unedited GTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCGGGCGGCCCTCG GGGGAAGATGGCGCCCTCGGGGCTGAAGGCGGTGGTGGGGGAAAAAATTCTGAGCGGAGTT ATTCGGAGTGTCAAGAAGGATGGGGAGTGAAGGTGCTTATCATGGATCACCCAAGCATG CGCATCTTGTCTTCTCTGCTGCAAAATGTCAGATATCCTGGCTGAGGGCATCACCATTGTT GAAGACATCAACAAACGGCGGGAACCCATTCCCAGTCTGGAGGCCATTTATTTGCTGAGC CCCACGGAGAAGTCGGTTCAGGCCCTGATCAAAGACTTCCAGGGGACCCCGACTTTCACC TACAAAGCGGCCATATCTTCTTACCAGACACCTGCCCGAGCCCTGTTCAGTGAGCTA GGCCGCTCTCGTCTGGCAAAGGTGGTGAAGACGTTGAAGGAGATTACCTTGCCTTCTCTC CCTACGAGGCCAGGTGTTCTCCCTCGATGCTCCCCACAGCACCTACAACCTCTACTGC CCCTTNGGGCAGAGGAGCGCACGCGNAGCTCGAGGTGCTGGCCAGCAGATTGCCACG CTGTGCGCCACCCTGCAGGAGTACCCGGCCATTGCTACCGAAGGGCCAGAGGACACA GCCCAGGTGGCCACGCCGNTGCGCAAGCTGAACGCCTTAAGGCAGACACTTCCAGTC TGGGCGAGGGCCAGAGAAACCCGCTCCAGCTGCTGATAATGGACCGGGCAGCTGACCC CCTGTNNCCACTACTGCATGAGCTNACGTTNCCAGCCATGGCGTATGATCTGCTGGCATA GAGCAGAACCATACAGGTTTGAACACCGGCTGANCGAGCCGCGGAAAAGCCTTTTGTCT GGACAAGACACGACCTGGGGTTGAGCTTCCACATGCTATG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_006949 unedited GGGTTTATTTCTCTGGAAGGGAGGGGTAGGGGGCGGGGCCAGGGGTCAGGGCAGGGCAAT GTCCTCCAGCTTCTTGTCCAGTGCCTTCAGGTCATCCAGGAAGCGGGTCGGGGTGAGGAT GTGTGAGGAGCCAATGAGCACCTCCCACTTGCCTCGGTGGCCCTGGTCACCTCGTAGGC GGCCCTCATCTCTGACATGGCCACACCGCCATGACATACACGATGAGCCGGGGGCCCGC CCGGGCTTCTACGCCAGCCTTGTCTTGTGCCAGTGACCGAAGCGGGCACTGACAGCGGC CTGNGAGCTGGCCGTGGGGGCGNGTCGGATACGAAGGGCCACAGGTTCTCTGTCCAGCCG GTCCTCCACGGCGTCTCCATTACGTCCTTGATGACCGNGTCCAGCGGGACAGCTGATA GGTGGGCTCCATGCGTCTCTCGGCTCCAGCCGGCTGGAGGTCCTCCGAGCCNCNGGNTT GGTGACAGTGCCTCCAGCTGCTCCAGGTTACGGATGAAGCTGCTGTGCGCTGTACATT GGCATGCTGGATCAGTTGGCCAGGTTCTCCTCACTCACACCATTCCGAAGGAGGATGTA GAGCAGCAGGACCCGGATCTTGTCTGAGCGGGCACCGNCGCTCCAGCAGCACCCGGAAC GATCAGCTTCATGGAGTCTTGATCTTCTCCCTCTGCGTNCGAGCCATGGNCACGTCCT GCNTCACACTACAGNTTNTNACCGAGCCTTNNAGTGCTNCATAACAATCATCTGCTA GATGCAGGTGCGTAGAATACTTAATNCAGCTCTTCTGGTACTGCGGCATNCTTTTCAGGA TCTGGGATAGGTCCTTGATGTTGNCCTTGTCCGTGTCAGCCTTGTCTCACAGAGGT CTCAGNAGCTNCGTGACCTTCTGCCATNANGNTGNCNGGTTANAATGAGGGAAGGACC CAAGCCATGGTGACCCCTCAGGGGAAGGAAGTTGGTAAAATGAGCATCTGATAACCAG GTGCTTGAGCCAAACTGCAACCN</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_006949
Insert Size:	2240 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:

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_006949.1](#), [NP_008880.1](#)

RefSeq Size: 1815 bp

RefSeq ORF: 1782 bp

Locus ID: 6813

UniProt ID: [Q15833](#)

Cytogenetics: 19p13.2

Domains: Sec1

Protein Families: Stem cell - Pluripotency

Gene Summary: This gene encodes a member of the STXBP/unc-18/SEC1 family. The encoded protein is involved in intracellular trafficking, control of SNARE (soluble NSF attachment protein receptor) complex assembly, and the release of cytotoxic granules by natural killer cells. Mutations in this gene are associated with familial hemophagocytic lymphohistiocytosis. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Jan 2013]
Transcript Variant: This variant (1) uses an alternate in-frame splice site in the coding region, compared to variant 3. The encoded isoform (a) is shorter than isoform c.