

Product datasheet for **SC323150**

STXBP2 (NM_001127396) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STXBP2 (NM_001127396) Human Untagged Clone
Tag:	Tag Free
Symbol:	STXBP2
Synonyms:	FHL5; Hunc18b; MUNC18-2; pp10122; UNC18-2; UNC18B
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001127396, the custom clone sequence may differ by one or more nucleotides

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ATGGCGCCTCGGGGCTGAAGGCGGTGGTGGGGAAAAAATTCTGAGCGGAGTTATTCGG
AGTGTCAAGAAGGATGGGGAGTGAAGGTGCTTATCATGGATCACCAAGCATGCGCATC
TTGTCTTCTGCTGCAAAATGTCAGATATCCTGGCTGAGGGCATCACCATTGTTGAAGAC
ATCAACAAACGGCGGGAACCCATTCCCAGTCTGGAGGCCATTTATTTGCTGAGCCCCACG
GAGAAGGCCCTGATCAAAGACTCCAGGGGACCCGACTTTCACCTACAAGCGGCCCAT
ATCTTCTCACCGACACCTGCCCGAGCCCTGTTCAAGTGAAGTACAGGCGCTCTCGTCTG
GCAAAGGTGGTGAAGACGTTGAAGGAGATTACCTTGCCTTCTCCCTACGAGGCCAG
GTGTTCTCCCTCGATGCTCCCCACAGCACCTACAACCTCTACTGCCCTTCCGGGACAG
GAGCGCACGCGCAGCTCGAGGTGCTGGCCAGCAGATTGCCACGCTGTGCGCCACCCTG
CAGGAGTACCCGGCCATCCGCTACCGCAAGGGCCAGAGGACACAGCCAGTTGGCCAC
GCCGCTCTGGCCAAGCTGAACGCCTTCAAGGCAGACACTCCCAGTCTGGGCGAGGGCCCA
GAGAAAACCCGCTCCCAGCTGCTGATAATGGACCGGGCAGCTGACCCCGTGTCCCCTA
CTGCATGAGCTCACGTTCCAGGCCATGGCGTATGATCTGCTGGACATAGAGCAGGACACA
TACAGGTATGAGACCACCGGGCTGAGCGAGGCGGGGAGAAGGCCGCTCTGCTGGACGAG
GACGATGACTTGTGGGTGGAGCTTCGCCACATGCATATCGCAGATGTGTCCAAGAAGGTC
ACGGAGCTCTGAGGACCTTCTGTGAGAGCAAGAGGCTGACCACGGACAAGGCGAACATC
AAAGACCTATCCCAGATCCTGAAAAAGATGCCGCAGTACCAGAAGGAGCTGAATAAGTAT
TCTACGCACCTGCATCTAGCAGATGATTGTATGAAGCACTTCAAGGGCTCGGTGGAGAAG
CTGTGTAGTGTGGAGCAGGACCTGGCCATGGGCTCCGACGAGAGGGGGAGAAGTCAAG
GACTCCATGAAGCTGATCGTCCGGTGTGCTGGACGCGGGGCTGCCCGCTACGACAAG
ATCCGGTCTGCTGCTACATCCTCCTCGGAATGGTGTGAGTGAAGGAGAACCCTGGCC
AAGCTGATCCAGCATGCCAATGTACAGGCGCACAGCAGCCTCATCCGTAACCTGGAGCAG
CTGGGAGGCACTGTACCAACCCCGGGGCTCGGGGACCTCCAGCCGGCTGGAGCCGAGA
GAACGCATGGAGCCACCTATCAGCTGTCCCGTGGACCCCGGTATCAAGGATGTAATG
GAGGACGCGGTGGAGGACCGGCTGGACAGGAACCTGTGGCCCTTCGTATCCGACCCCGCC
CCCACGGCCAGCTCCCAGGCCGCTGTCAGTGGCCGCTTCGGTCACTGGCACAAGAACAAG
GCTGGCATAGAAGCCCGGGCGGGCCCCCGGCTCATCGTGTATGTCATGGGCGGTGTGGCC
ATGTCAGAGATGAGGGCCGCTACGAGGTGACCAGGGCCACCGAGGGCAAGTGGGAGGTG
CTCATTGGCTCCTCACACATCCTCACCCGACCCGCTTCTGGATGACCTGAAGGCACTG
GACAAGAAGCTGGAGGACATTGCCCTGCC
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Restriction Sites: Please inquire

ACCN: NM_001127396

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001127396.1](#), [NP_001120868.1](#)

RefSeq Size: 1901 bp

RefSeq ORF: 1773 bp

Locus ID: 6813

UniProt ID: [Q15833](#)

Cytogenetics: 19p13.2

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 (2) uses an alternate in-frame splice site in the coding region, compared to variant 3. The encoded isoform (b) is shorter than isoform c.