

## Product datasheet for **SC333188**

### STXBP2 (NM\_001272034) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** STXBP2 (NM\_001272034) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** STXBP2  
**Synonyms:** FHL5; Hunc18b; MUNC18-2; pp10122; UNC18-2; UNC18B  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC333188 representing NM\_001272034.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCGCCCTCGGGGCTGAAGGCGGTGGTGGGGGAAAAATTCTGAGCGGAGTTATTCGGAGTGTCAAG
AAGGATGGGGAGTGGAAGGTGCTTATCATGGATCACCCAAGCATGCGCATCTTGCTCTCCTGCTGCAAA
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GTGGCCATGTGAGAGATGAGGGCCGCTACGAGGTGACCAGGGCCACCGAGGGCAAGTGGGAGGTGCTC
ATTGGCTCCTCACACATCCTCACCCGACCCGCTTCTGGATGACCTGAAGGCACTGGACAAGAAGCTG
GAGGACATTGCCCTGCCCTGA
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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001272034
<b>Insert Size:</b>	1815 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001272034.1</a></u>
<b>RefSeq Size:</b>	1941 bp
<b>RefSeq ORF:</b>	1815 bp
<b>Locus ID:</b>	6813
<b>UniProt ID:</b>	<u><a href="#">Q15833</a></u>
<b>Cytogenetics:</b>	19p13.2
<b>Protein Families:</b>	Stem cell - Pluripotency
<b>MW:</b>	67.7 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) represents the longest transcript and encodes the longest isoform (c).</p>