

Product datasheet for RC225996L3

OriGene Technologies, Inc.

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STXBP2 (NM_001127396) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: STXBP2 (NM_001127396) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: STXBP2

Synonyms: FHL5; Hunc18b; MUNC18-2; pp10122; UNC18-2; UNC18B

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

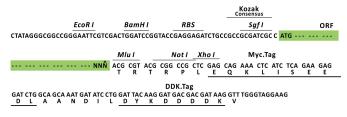
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC225996).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_001127396

ORF Size: 1770 bp





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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: <u>NM 001127396.1</u>

RefSeq Size: 1901 bp
RefSeq ORF: 1773 bp
Locus ID: 6813
UniProt ID: Q15833

Protein Families: Stem cell - Pluripotency

19p13.2

MW: 66.1 kDa

Cytogenetics:

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]