

# Recombinant Full Length Human STXBP1 Protein, C-Flag-tagged

**Cat. No.** STXBP1-457HFL    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human STXBP1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	This gene encodes a syntaxin-binding protein. The encoded protein appears to play a role in release of neurotransmitters via regulation of syntaxin, a transmembrane attachment protein receptor. Mutations in this gene have been associated with infantile epileptic encephalopathy-4. Alternatively spliced transcript variants have been described.
<b>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	68.6 kDa
<b>AA Sequence</b>	<p>MAPIGLKAVVGEKIMHDVIKKVKKKGEWKVLVVDQLSMRMLSSCCKMTDIMTEGITIV  EDINKRREPLPS LEAVYLITPSEKSVHSLISDFKDPPTAKYRAAHVFFTDSCPDALFN  ELVKSRAAKVIKTLTEINIAFLPY ESQVYSLDSADSFQSFYSPHKAQMKNPILERLAE  QIATLCATLKEYPAVRYRGEYKDNALLAQLIQDKLD AYKADDPTMGEGPDKARSQLL  ILDRGFDPSSPVLHELTFQAMSYDLLPIENDVYKYETSGIGEARVKEVL LDEDDDLWI  ALRHKHIAEVSQEVTRSLKDFSSSKRMNTGEKTTMRDLSQMLKKMPQYQKELSKYS  THLHL AEDCMKH YQGTVDKLCRVEQDLAMGTDAEGEKIKDPMRAIVPILLDANVST</p>

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

YDKIRIILLYIFLKNNGITE ENLNKLIQHAQIPPEDSEIITNMAHLGVPIVTDSTLRRRSKPE  
 RKERISEQTYQLSRWTPIIKDIMEDI EDKLDTKHYPYISTRSSASFSTTAVSARYGH  
 WHKNKAPGEYRSGPRLIIFILGGVSLNEMRCAYEVTQAN  
 GKWEVLIGSTHILTPTKFLMDLRHPDFRESSRVSFEDQAPTMETRTRPLEQKLISEED  
 LAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining.

**Stability** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**Storage** Store at -80 centigrade.

**Concentration** >50 ug/mL as determined by microplate BCA method.

**Preparation** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Full Length** Full L.

## GENE INFORMATION

**Gene Name** [STXBP1 syntaxin binding protein 1 \[ Homo sapiens \(human\) \]](#)

**Official Symbol** [STXBP1](#)

**Synonyms** P67; DEE4; NSEC1; UNC18; N-Sec1; RBSEC1; unc-18A; unc18-1; MUNC18-1

**Gene ID** [6812](#)

**mRNA Refseq** [NM\\_003165.6](#)

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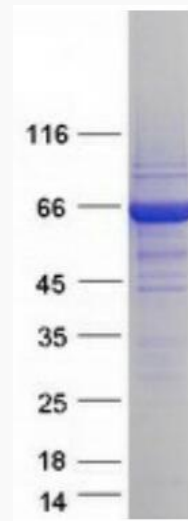
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**Protein Refseq** NP\_003156.1

**MIM** 602926

**UniProt ID** P61764



Coomassie blue staining of purified STXBP1 protein.

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