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

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

SPECIFICATION

Product Overview	Recombinant Full Length Human STXBP1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	68.6 kDa
AA Sequence	MAPIGLKAVVGEKIMHDVIKKVKKKGEWKVLVVDQLSMRMLSSCCKMTDIMTEGITIV EDINKRREPLPS LEAVYLITPSEKSVHSLISDFKDPPTAKYRAAHVFFTDSCPDALFN ELVKSRAAKVIKTLTEINIAFLPY ESQVYSLDSADSFQSFYSPHKAQMKNPILERLAE QIATLCATLKEYPAVRYRGEYKDNALLAQLIQDKLD AYKADDPTMGEGPDKARSQLL ILDRGFDPSSPVLHELTFQAMSYDLLPIENDVYKYETSGIGEARVKEVL LDEDDDLWI ALRHKHIAEVSQEVTRSLKDFSSSKRMNTGEKTTMRDLSQMLKKMPQYQKELSKYS THLHL AEDCMKHYQGTVDKLCRVEQDLAMGTDAEGEKIKDPMRAIVPILLDANVST

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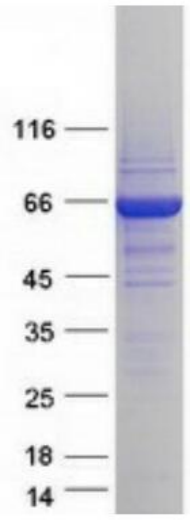
	YDKIRIILLYIFLKNGITE ENLNKLIQHAQIPPEDSEIITNMAHLGVPIVTDSTLRRRSKPE RKERISEQTYQLSRWTPIIKDIMEDTI EDKLDTKHYPYISTRSSASFSTTAVSARYGH WHKNKAPGEYRSGPRLIIFILGGVSLNEMRCAYEVTQAN GKWEVLIGSTHILTPTKFLMDLRHPDFRESSRVSFEDQAPTMETRTRPLEQKLISEED LAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
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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Protein Refseq	NP_003156.1
MIM	602926
UniProt ID	P61764



Coomassie blue staining of purified STXBP1 protein.

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