

Recombinant Human STXBP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. STXBP1-3600H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	STXBP1 MS Standard C13 and N15-labeled recombinant protein (NP_001027392) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	67.6 kDa
AA Sequence	MAPIGLKAVVGEKIMHDDVIKKVKKKGWVKVLVVDQLSMRMLSSCCKMTDIMTEGIV EDINKRREPLPSLEAVYLITPSEKSVHSLISDFKDPPTAKYRAAHVFFTDSCPDALFNE LVKSRAAKVIKTLTEINIAFLPYESQVYSLDSADSFQSFYSPHKAQMKNPILERLAEQI ATLCATLKEYPAVRYRGEYKDNALLAQLIQDKLDAYKADDPTMGEGPDKARSQLLIL DRGFDPSSPVLHELTFQAMSYDLLPIENDVYKYETSGIGEARVKEVLLDEDDDLWIAL RHKHIAEVSQEVTRSLKDFSSSKRMNTGEKTTMRDLSQMLKKMPQYQKELSKYSTH LHLAEDCMKHYYQGTVDKLCRVEQDLAMGTDAEGEKIKDPMRAIVPILLDANVSTYDK IRIILLYIFLKNNGITEENLNKLIQHAQIPPEDSEIITNMAHLGVPIVTDSTLRRRSKPERKE

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RISEQTYQLSRWTPIIKDIMEDTIEDKLDTKHYPYISTRSSASFSTTAVSARYGHWHK
 NKAPGEYRSGPRLIIFILGGVSLNEMRCAYEVTQANGKWEVLIGSTHILTPQKLLDTL
 KKLNKTDEEISSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

Official Symbol STXBP1

Synonyms STXBP1; syntaxin binding protein 1; syntaxin-binding protein 1; hUNC18; MUNC18 1; rbSec1; UNC18; N-Sec1; unc-18A; unc18-1; neuronal SEC1; protein unc-18 homolog 1; protein unc-18 homolog A; P67; NSEC1; RBSEC1; MUNC18-1; FLJ37475;

Gene ID 6812

mRNA Refseq NM_001032221

Protein Refseq NP_001027392

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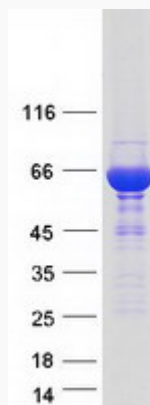
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MIM 602926

UniProt ID P61764

SDS-PAGE



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