

Recombinant Human STXBP1

Cat. No. STXBP1-28545TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 74-168 of Human Munc18 with an N terminal proprietary tag; Predicted MWt 36.08 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	95 amino acids
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 Weight	36.080kDa inclusive of tags
Tissue specificity	Brain and spinal cord. Highly enriched in axons.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	VYLITPSEKSVHSLISDFKDPPTAKYRAAHVFFTDSCPDALFNELVKSRAAKVIKTLTEI NIAFLPYESQVYSLDSADSFQSFYSPHKAQMKNPI
Sequence Similarities	Belongs to the STXBP/unc-18/SEC1 family.
GENE INFORMATION	
Gene Name	STXBP1 syntaxin binding protein 1 [Homo sapiens]
Official Symbol	STXBP1
Synonyms	STXBP1; syntaxin binding protein 1; syntaxin-binding protein 1; hUNC18; MUNC18 1; rbSec1; UNC18;
Gene ID	6812
mRNA Refseq	NM_001032221
Protein Refseq	NP_001027392
MIM	602926
Uniprot ID	P61764
Chromosome Location	9q34.1
Pathway	Acetylcholine Neurotransmitter Release Cycle, organism-specific biosystem;

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Dopamine Neurotransmitter Release Cycle, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem; Effects of Botulinum toxin, organism-specific biosystem; GABA synthesis, release, reuptake and degradation, organism-specific biosystem;

Function

SNARE binding; identical protein binding; syntaxin-1 binding; syntaxin-2 binding;

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