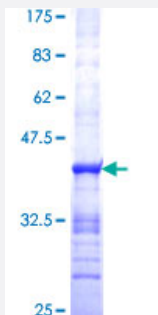


STXBP5 (Human) Recombinant Protein (Q01)

Catalog # H00134957-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human STXBP5 partial ORF (NP_640337, 1017 a.a. - 1115 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	GGGAQSLDREELFGESSGKASRSLAQHIPGPGGIEGVKGAASGVVGELARARLALDERGQKLG DLEERTAAMLSSAESFSKHAHEIMLK YKDKK WYQF
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — STXBP5

Entrez GeneID [134957](#)

GeneBank Accession# [NM_139244](#)

Protein Accession# [NP_640337](#)

Gene Name STXBP5

Gene Alias FLJ30922, LGL3, LLGL3, MGC141942, MGC141968, Nbla04300

Gene Description syntaxin binding protein 5 (tomosyn)

Omim ID [604586](#)

Gene Ontology [Hyperlink](#)

Gene Summary Syntaxin 1 is a component of the 7S and 20S SNARE complexes which are involved in docking and fusion of synaptic vesicles with the presynaptic plasma membrane. This gene encodes a syntaxin 1 binding protein. In rat, a similar protein dissociates syntaxin 1 from the Munc18/n-Sec1/rbSec1 complex to form a 10S complex, an intermediate which can be converted to the 7S SNARE complex. Thus this protein is thought to be involved in neurotransmitter release by stimulating SNARE complex formation. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq]

Other Designations OTTHUMP00000017380|putative protein product of Nbla04300|tomosyn

Disease

- [Lung Neoplasms](#)
- [Small Cell Lung Carcinoma](#)