

# Recombinant human STXBP6 protein

Catalog Number: ATGP2779

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-210aa

### UniProt No.

Q8NFX7

### NCBI Accession No.

NP\_054897

### Alternative Names

Syntaxin-binding protein 6, amisyn, HSPC156

## PRODUCT SPECIFICATION

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### Molecular Weight

25.9 kDa (233aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.15M NaCl, 1mM DTT

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

STXBP6, also known as Syntaxin-binding protein 6, binds components of the SNARE complex and may be involved in regulating SNARE complex formation. This protein forms non-fusogenic complexes with SNAP25 and STX1A and may thereby modulate the formation of functional. Recombinant human STXBP6 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMSAKSAI SKEIFAPLDE RMLGAVQVKR RTKKKIPFLA TGGQGEYLT Y ICLSVTNKKP

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TQASITKVKQ FEGSTSFVRR SQWMLEQLRQ VNGIDPNGDS AEFDLLFENA FDQWVASTAS EKCTFFQILH HTCQRYLTDR  
KPEFINCQSK IMGGNSILHS AADSVTSAVQ KASQALNERG ERLGRAEECT EDLKNSAQQF AETAHKLAMK HKC

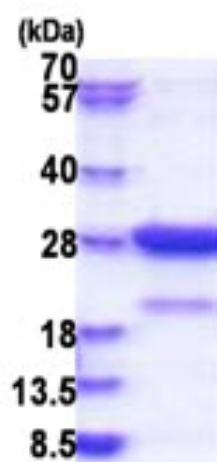
### General References

Krintel SB. et al. (2012) PLoS One. 7(6):e38539. doi: 10.1371

Scales SJ. et al. (2002) J Biol Chem. 277:28271-28279.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)