

Recombinant human SEC61B protein

Catalog Number: ATGP2454

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-70aa

UniProt No.

P60468

NCBI Accession No.

NP_006799

Alternative Names

Protein transport protein Sec61 subunit beta, Sec61 beta subunit

PRODUCT SPECIFICATION

Molecular Weight

9.4 kDa (93aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT

Purity

> 85% 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

Description

The Sec61 complex is the central component of the protein translocation apparatus of the endoplasmic reticulum (ER) membrane. Oligomers of the Sec61 complex form a transmembrane channel where proteins are translocated across and integrated into the ER membrane. This complex consists of three membrane proteins- alpha, beta, and gamma. This gene encodes the beta-subunit protein. The Sec61 subunits are also observed in the post-ER compartment, suggesting that these proteins can escape the ER and recycle back. There is evidence for multiple polyadenylated sites for this transcript. Recombinant human SEC61B protein, fused to His-tag at N-

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terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSMPGPTPS GTNVGSSGRS PSKAVAARAA GSTVRQRKNA SCGTRSAGRT
TSAGTGGMWR FYTEDSPGLK VGP

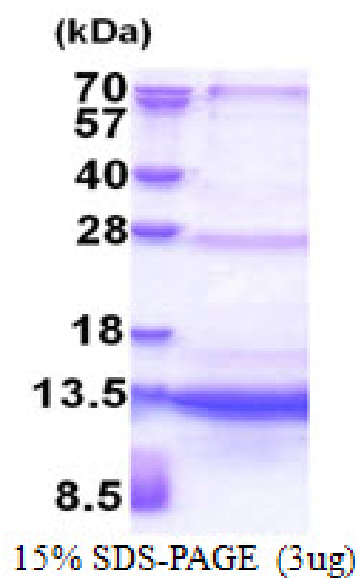
General References

Bebox Z., et al. (1998) J Biol Chem. 273: 29873-29878.

Meyer H A., et al. (2000) J Biol Chem. 275: 14550-14557.

DATA

SDS-PAGE



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