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## Product Data Sheet

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Product Name: SEC61B Human  
 Cat. No.: GP24516  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Protein transport protein Sec61 subunit beta; SEC61B; Sec61 Beta Subunit; Protein Translocation Complex Beta; Protein Transport Protein SEC61 Beta Subunit; Sec61 Complex Beta Subunit.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMPGPTPS GTNVGSSGRS PSKAVAARAA GSTVRQRKNA SCGTRSAGRT TSAGTGGMWR FYTEDSPGLK VGP.		
Formulation	SEC61B protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 50% glycerol and 2mM DTT.		

### Introduction

The Sec61 complex is the key component of the protein translocation apparatus of the ER (endoplasmic reticulum) membrane. Oligomers of the Sec61 complex construct a transmembrane channel where proteins are translocated across and incorporated into the ER membrane. This complex consists of 3 membrane proteins- alpha, beta, and gamma. The SEC61B gene encodes the beta-subunit protein. The Sec61 subunits are also detected in the post-ER compartment, suggesting that these proteins can get out of the ER and recycle back.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

SEC61B Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 93 amino acids (1-70 a.a) and having a molecular mass of 9.4kDa. SEC61B is fused to a 23 amino acid His-tag at N-terminus & purified by

**Caution: Product has not been fully validated for medical applications. For research use only.**

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proprietary chromatographic techniques.

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