OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-888-267-4436
Fax: +1-301-340-8606
techsupport@origene.com

OriGene Technologies GmbH
Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info-de@origene.com

AR51274PU-N Human SEC61B (1-70, His-tag) - Purified

Alternate names: Protein transport protein Sec61 subunit beta

Quantity: 0.1 mg

Concentration: 0.25mg/ml (determined by Bradford assay)

Background: 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.

Uniprot ID: P60468

NCBI: NP_006799

GeneID: 10952

Species: Human

Source: E. coli

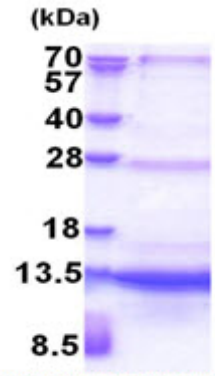
Format:
State: Liquid purified protein
Purity: >85% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT

Description: Recombinant human SEC61B protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
AA Sequence:
MGSSHHHHHH SSGLVPRGSH MGSMPGPTPS GTNVGSSGRS PSKAVAARAA GSTVRQRKNA SCGTRSAGRT TSAGTGGMWR FYTEDSPGLK VGP
Molecular weight: 9.4 kDa (93aa) confirmed by MALDI-TOF

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:
Bebox Z., et al. (1998) J Biol Chem. 273: 29873-29878.
Meyer H A., et al. (2000) J Biol Chem. 275: 14550-14557.

Pictures:



15% SDS-PAGE (3ug)