Recombinant human SEC22B protein

Catalog Number: ATGP1709

PRODUCT INFORMATION

Expression system
E.coli

Domain
14-194aa

UniProt No.
O75396

NCBI Accession No.
NP_004883

Alternative Names
Vesicle-trafficking protein SEC22b, ERS-24, SEC22L1

PRODUCT SPECIFICATION

Molecular Weight
23.3 kDa (205aa)

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 2M urea, 10% glycerol, 0.15M NaCl

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE, Denatured

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
Vesicle-trafficking protein SEC22b precursor, also known as SEC22B, belongs to the synaptobrevin family. It seems to complex with SNARE and it is thought to play a role in the ER-Golgi protein trafficking. This protein has strong similarity to Mus musculus and Cricetulus griseus proteins. Recombinant human SEC22B protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence
<MGSSHHHHHH SSGLVPRGSH MGSM>LPLAAS MQEDEQSGRD LQQYQSQAKQ LFRKLNEQSP TRCTLEAGAM

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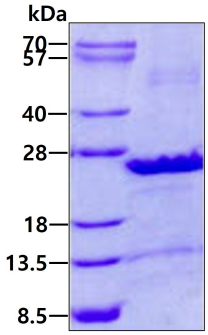
TFHYIIEQGV CYLVLCEAAF PKKLAFAYLE DLHSEFDEQH GKKVPTVSRP YSFIEFDTFI QKTKKLYIDS RARRNLGSIN TELQDVQRIM VANIEEVLQR GEALSALDSK ANNLSSLSKK YRQDAKYLNM RSTYA

General References

Nakajima K., et al. (2004) EMBO J. 23:3216-3226
Chi A., et al. (2006) J. Proteome Res. 5:3135-3144

DATA

SDS-PAGE



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