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Recombinant human SAR1B protein

Catalog Number: ATGP1910

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-198aa

UniProt No.
Q9Y6B6

NCBI Accession No.
NP_057187

Alternative Names
GTP-binding protein SAR1b, ANDD, CMRD, GTBPB, SARA2

PRODUCT SPECIFICATION

Molecular Weight
24.8 kDa (221aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

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

Purity
> 95% 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
SAR1b, also known as CMRD, is involved in transport from the endoplasmic reticulum to the Golgi apparatus. This protein is activated by the guanine nucleotide exchange factor PREB. It is involved in the selection of the protein cargo and the assembly of the COPII coat complex. Recombinant human SAR1B protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence
<MGSSHHHHHH SSGLVPRGSH MGS>MSFIFDW IYSGFSSVLQ FLGLYKKTGK LVFLGLDNAG KTTLLHMLKD

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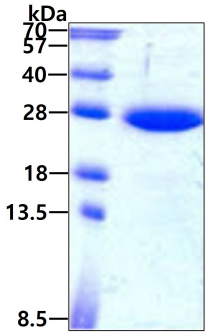
DRLGQHVPTL HPTSEELTIA GMTFTTFDLG GHVQARRVWK NYLPAINGIV FLVDCADHER LLESKEELDS LMTDETIANV PILILGNKID RPEAISEERL REMFGLYGQT TGKGSISLKE LNARPLEVFM CSVLKRQGYG EGFRWMAQYI D

General References

Annesi G., et al. (2007) Clin. Genet. 71:288-289
Treepongkaruna S., et al. (2009) J. Pediatr. Gastroenterol. Nutr. 48:370-373

DATA

SDS-PAGE



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