

Recombinant human RAP1B protein

Catalog Number: ATGP0891

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-181aa

UniProt No.

P61224

NCBI Accession No.

NP_056461

Alternative Names

Ras-related protein Rap-1b, DKFZp586H0723, K-REV, RAL1B, RAP1B member of RAS oncogene family, GTP-binding protein smg p21B

PRODUCT SPECIFICATION

Molecular Weight

22.6 kDa (201aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM MES buffer (pH 5.0) containing 0.2M NaCl, 5mM DTT, 20% glycerol

Purity

> 90% 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

RAP1B belongs to a superfamily of RAS-like small GTP-binding proteins involved in cell signaling. It possesses intrinsic GTPase activity and is ubiquitously expressed in mammalian tissues. The putative effector domain of Ras proteins, whose integrity is required for cell transformation as well as interaction with the putative effector protein GAP, is conserved in both Rap 1 proteins. Recombinant human RAP1B protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

<MGSSHHHHH SGLVPRGSH> MREYKLVVLG SGGVGKSALT VQFVQGIFVE KYDPTIEDSY RKQVEVDAQQ
CMLEILDTAG TEQFTAMRDL YMKNQGQGFAL VYSITAQSTF NDLQDLREQI LRVKDTDDVP MILVGNKCDL EDERVVGKEQ
GQNLARQWNN CAFLESSAKS KINVNEIFYD LVRQINRKTP VPGKARKKSS C

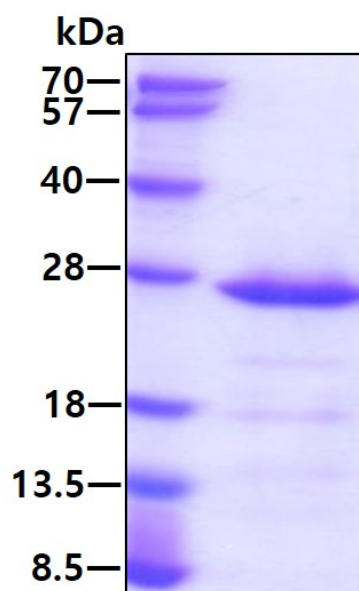
General References

Awasthi A., et al. (2010) J Exp Med. 207(9):1923-38.

Schoenwaelder SM., et al. (2010) J Biol Chem. 285(4):2886-96.

DATA

SDS-PAGE



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