

Recombinant human RAP2B protein

Catalog Number: ATGP1966

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-183aa

UniProt No.

P61225

NCBI Accession No.

NP_002877

Alternative Names

Ras-related protein Rap-2b, RAP2B, Member of RAS oncogene family, Small GTP binding protein, Ras family small GTP binding protein RAP2B

PRODUCT SPECIFICATION

Molecular Weight

22.9 kDa (206aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

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

Ras-related protein Rap-2b, also known as RAP2B, belongs to a family of RAS-related genes. Unlike normal Ras proteins that have a nontransforming glutamine residue at aa 61, Rap2B has a threonine residue in that position. This change makes the intrinsic GTPase activity for Rap2B lower, thereby allowing it to exist in the activated state for a longer period of time than normal Ras proteins. RAP2B is a platelet protein that is activated by thrombin and involved in platelet activation. RAP2B may be a novel candidate oncogene that plays important

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roles in carcinogenesis through activation of NF-kappaB pathway. Recombinant human RAP2B protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

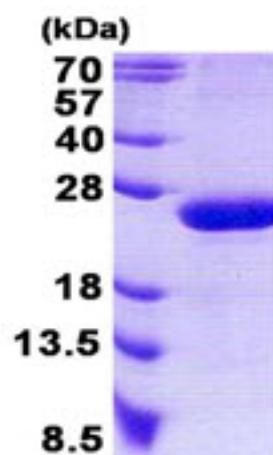
MGSSHHHHHHH SSGLVPRGSH MGSREYKVV VLGSGGVGKS ALTVQFVTGS FIEKYDPTIE DFYRKEIEVD SSPSVLEILD
TAGTEQFASM RDLYIKNGQG FILVYSLVNQ QSFQDIKPMR DQIIRVKRYE RVPMILVGNK VDLEGEREVS YGEGKALAE
WSCPFMETSA KNKASVDEL AEIVRQMNYA AQPNGDEGCC SACVIL

General References

Culine S., et al. (1989) Int J Cancer. 44:990-994
Beranger F., et al. (1991) Oncogene. 6: 1835-1842.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)