

AR50790PU-N

Human RAP2B (1-183, His-tag) - Purified

Alternate names:

Rap-2b, Ras-related protein Rap-2b

Quantity:

0.5 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

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 roles in carcinogenesis through activation of NF-kappaB pathway.

Uniprot ID:

[P61225](#)

NCBI:

[NP_002877](#)

GeneID:

[5912](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

Description:

Recombinant human RAP2B protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSMREYKVV VLGSGGVGKS ALTVQFVTGS FIEKYDPTIE
DFYRKEIEVD SSPSVLEILD TAGTEQFASM RDLYIKNGQG FILVYSLVNQ QSFQDIKPMR
DQIIRVKRYE RVPMLVGNGK VDLEGEREVS YGEGKALAE WSCPFMETS KKNASVDLEF
AEIVRQMNYA AQPNGDEGCC SACVIL

Molecular weight: 22.9 kDa (206aa) 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:

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

Pictures:

