

Product Description

Product Name: Rap1B Protein

Synonyms: Member of RAS oncogene family, K-REV, RAL1B

Catalogue Number: 10120

Source: Human, recombinant full length, His₆-tag

Expression Host: E. coli

Molecular Weight: 21 kDa

Purity: >98% by SDS-PAGE

Introduction: Small GTPases are a super-family of cellular signaling regulators. Rap family members (Rap1A, Rap1B, Rap2A, Rap2B, and Rap2C) are Ras-like GTPases that regulate cell proliferation, differentiation, apoptosis and adhesion mechanisms. Rap1 (Ras-proximate-1) regulates apoptosis through interaction with two MAP3K effectors of the MEK/ERK MAP-kinase pathway.

Amino Acid Sequence (1-184)

MREYKLVVLGSGGVGKSALTVQFVQGIFVEKYDPTIED
SYRKQVEVDAQQCMLEILDAGTEQFTAMRDLYMKNQG
GFALVYSITAQSTFNDLQDLREQILRVKDTDDVPMILV
GNKCDLEDERVVGKEQGQNLARQWNNCAFLESSAKSKI
NVNEIFYDLVRQINRKTPVPGKARKKSSCQLL

Properties

Physical Appearance (form): Dissolved in 20mM Tris-HCl, pH8.0, 150mM NaCl.

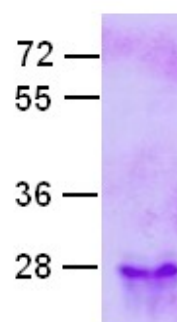
Physical Appearance (form): White or clear

Concentration: 1 mg/mL

Storage: -80°C

Preparation Instructions

Adding of 10 mM β -mercaptoethanol or 1 mM DTT into the solution to protect the protein is recommended and using of non-ionic detergents such as n-Dodecyl β -D-maltoside (DoDM) or polyethylene detergents (e.g. C₁₂E₁₀) also help to stabilize the protein. Avoid repeated freezing and thawing.



The purity of His-tagged Rap1B was determined by SDS- PAGE and Coomassie Brilliant Blue Staining.

References

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