

# Recombinant human RalB protein

Catalog Number: ATGP0839

## PRODUCT INFORMATION

---

### Expression system

E.coli

### Domain

1-203aa

### UniProt No.

P11234

### NCBI Accession No.

NP\_002872

### Alternative Names

Ras-related protein Ral-B, RAS like proto-oncogene B, Ras related GTP binding protein B

## PRODUCT SPECIFICATION

---

### Molecular Weight

25.6 kDa (227aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.1M NaCl, 1mM DTT

### 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

RALB, also called Ras-related protein Ral-B, belongs to subfamily of Ras-related GTPases. This protein is activated by a unique nucleotide exchange factor, Ral GDS, and deactivated by a distinct GTPase-activating protein. It plays a role in the late stages of cytokinesis and is required for the abscission of the bridge joining the sister cells emerging from mitosis. Also it is required for suppression of apoptosis. Recombinant human RALB protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

## Recombinant human Ra1B protein

Catalog Number: ATGP0839

### Amino acid Sequence

MGSSHHHHHH SSSLVPRGSH MGSMAANKS KGQSSLALHK VIMVGSGGVG KSALTLQFMY DEFVEDYEPT  
KADSYRKKV LDGEEVQIDI LDTAGQEDYA AIRDNYFRSG EGFLLVFSIT EHESFTATAE FREQILRVKA EEDKIPLLVV  
GNKSDLEERR QVPVEEARSK AEEWGVQYVE TSAKTRANVD KVFFDLMREI RTKKMSENKD KNGKKSSKNK KSKERC

### General References

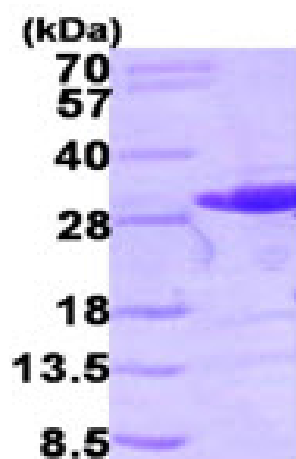
Willey G.M., et al. (1993), *Biochem. Biophys. Res. Comm.*, 194: 552-559.

Jullien-Flores V., et al. (1995). *J. Biol. Chem.* 270: 22473-22477

## DATA

---

### SDS-PAGE



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

15% SDS-PAGE (3ug)