

# Recombinant human RalA protein

Catalog Number: ATGP0822

## PRODUCT INFORMATION

---

### Expression system

E.coli

### Domain

1-203aa

### UniProt No.

P11233

### NCBI Accession No.

NP\_005393

### Alternative Names

Ras-related protein Ral-A, RAL

## PRODUCT SPECIFICATION

---

### Molecular Weight

25.8 kDa (227aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 100mM NaCl, 0.1mM PMSF

### 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

RALA (Ras-related protein Ral-A) belongs to the small GTPase superfamily, Ras family of proteins. RALA mediates a distinct downstream signaling pathway from Ras that facilitates cellular transformation. RALA is also thought to be involved in numerous signaling cascades, including regulation of the cytoskeleton, vesicle trafficking, and endocytosis. Recombinant human RALA protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

# Recombinant human RalA protein

Catalog Number: ATGP0822

## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGSH>MAANKP KGQNSLALHK VIMVGSGGVG KSALTLQFMY DEFVEDYEPT  
KADSYRKKV LDGEEVQIDI LDTAGQEDYA AIRDNYFRSG EGFLCVFSIT EMESFAATAD FREQILRVKE DENVPFLLVG  
NKSDLEDKRQ VSVEEAKNRA EQWNVNYVET SAKTRANVDK VFFDLMREIR ARKMEDSKEK NGKKKRKSLA KRIRERC

## General References

Cascone I., et al. (2008) EMBO J. 27:2375-2387  
Balasubramanian N., et al. (2009) Curr. Biol. 20:75-79

## DATA

---

### SDS-PAGE

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

