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## 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.



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### **Amino acid Sequence**

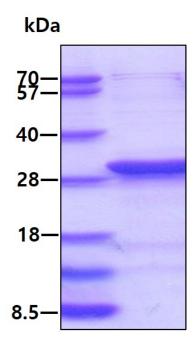
<MGSSHHHHHH SSGLVPRGSH MGSH>MAANKP KGQNSLALHK VIMVGSGGVG KSALTLQFMY DEFVEDYEPT KADSYRKKVV LDGEEVQIDI LDTAGQEDYA AIRDNYFRSG EGFLCVFSIT EMESFAATAD FREQILRVKE DENVPFLLVG NKSDLEDKRQ VSVEEAKNRA EQWNVNYVET SAKTRANVDK VFFDLMREIR ARKMEDSKEK NGKKKRKSLA KRIRERC

#### **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.

