Recombinant mouse RalA protein

Catalog Number: ATGP3699

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-203aa

UniProt No.
P63321

NCBI Accession No.
NP_062364

Alternative Names
Ras-related protein Ral-A, 3010001O15Rik, AW322615, Ral, Rasl1, V-ral simian leukemia viral oncogene A, RAS like proto-oncogene A

PRODUCT SPECIFICATION

Molecular Weight
25.7 kDa (227aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.5) containing 30% glycerol, 0.1M 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, also known as Ras-related protein Ral-A, is a member of 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 mouse Rala protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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Amino acid Sequence

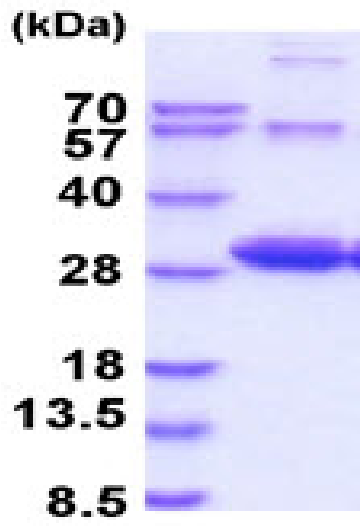
MGSSHHHHHH SSGLVPRGSH MGSHMAANKP KGQNSLALHK VIMVGSGGVG KSALTLQFMY DEFVEDYEPT KADSYRKKVV LDGEEVQIDI LDTAGQEDYA AIRDNYFRSG EGFLCVFSIT EMESFAATAD FREQILRVKE DENVPFLLVG NKSDLEDKRQ VSVEEAKNRA DQWNVNYVET SAKTRANVDK VFFDLMREIR ARKMEDSKEK NGKKKRKSLA KRIRERC

General References

Cascone I., et al. (2008) EMBO J. 27(18):2375-2387.
Balasubramanian N., et al. (2010) Curr. Biol. 20(1):75-79.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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