

Recombinant human RRAS protein

Catalog Number: ATGP0534

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-215aa

UniProt No.

P10301

NCBI Accession No.

NP_006261

Alternative Names

Ras-related protein R-Ras, p23, Related RAS viral (r-ras) oncogene homolog, R-Ras, Oncogene RRAS

PRODUCT SPECIFICATION

Molecular Weight

25.3 kDa (235aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH8.5) containing 30% glycerol, 0.1M NaCl

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

RRAS, also known as ras-related protein R-Ras, belongs to the Ras family which functions in signal transduction pathways. This protein has been shown to interact with RASSF5, NCK1, Bcl-2, ARAF and RALGDS. RRAS can bind GTP and GDP, and it has intrinsic GTPase activity. It also regulates the organization of the actin cytoskeleton. Recombinant RRAS 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> MSSGAASGTG RGRPRGGGPG PGDPPPSETH KLVVVGGGGV GKSALTIQFI
QSYFVSDYDP TIEDSYTKIC SVDGIPARLD ILDTAGQEEF GAMREQYMRA GHGFLLVFAI NDRQSFNEVG KLFTQILRVK
DRDDFPVVLV GNKADLESQR QVPRSEASAF GASHHVAYFE ASAKLRLNVD EAFEQLVRAV RKYQEQLPP SPPSAPRKKG
GGCPC

General References

Lowe DG. (1987) Cell. 48(1):137-46.

DATA

SDS-PAGE

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

