

Recombinant human RRAS3/MRAS protein

Catalog Number: ATGP1335

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-205aa

UniProt No.

O14807

NCBI Accession No.

NP_036351.3

Alternative Names

Ras-related protein M-Ras, M-RAS, R-RAS3, RRAS3, Muscle RAS oncogene homolog, Ras-related protein R-Ras3

PRODUCT SPECIFICATION

Molecular Weight

25.7 kDa (225aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 5mM DTT, 40% glycerol, 200mM NaCl, 2mM EDTA

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

MRAS (Ras-related protein M-Ras) belongs to the RAS superfamily. These families are membrane-anchored, intracellular signal transducers responsible for a variety of normal cellular functions. They are oncogenically activated in a significant fraction of tumors. MRAS serve as an important signal transducer for novel upstream stimuli in controlling cell proliferation. Recombinant human MRAS 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

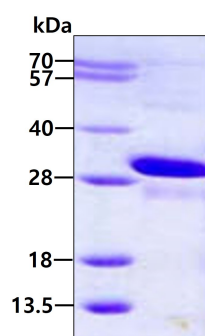
<MGSSHHHHHH SSGLVPRGSH> MATSAVPSDN LPTYKLVVVG DGGVGKSALT IQFFQKIFVP DYDPTIEDSY
LKHTEIDNQW AILDVLDTAG QEEFSAMREQ YMRTGDGFLI VYSVTDKASF EHVDRFHQLI LRVKDRESFP MILVANKVDL
MHLRKITREQ GKEMATKHNI PYIETSAKDP PLNVDKAFHD LVRVIRQQIP EKSQKKKKKT KWRGDRATGT HKLQC

General References

Rodriguez-Viciano P., et al (2006) Mol. Cell 22:217-230
Quilliam LA, et al. (1999) J Biol Chem 274 (34): 23850-7.

DATA

SDS-PAGE



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