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## Recombinant human RRAS3/MRAS protein

Catalog Number: ATGP1335

#### **PRODUCT INFORMATION**

#### **Expression system**

E.coli

#### **Domain**

1-205aa

#### **UniProt No.**

014807

#### **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**

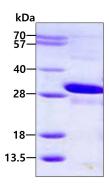
<MGSSHHHHHH SSGLVPRGSH> MATSAVPSDN LPTYKLVVVG DGGVGKSALT IQFFQKIFVP DYDPTIEDSY LKHTEIDNQW AILDVLDTAG QEEFSAMREQ YMRTGDGFLI VYSVTDKASF EHVDRFHQLI LRVKDRESFP MILVANKVDL MHLRKITREQ GKEMATKHNI PYIETSAKDP PLNVDKAFHD LVRVIRQQIP EKSQKKKKKT KWRGDRATGT HKLQC

#### **General References**

Rodriguez-Viciana 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.

