

Recombinant Human Muscle RAS Oncogene Homolog, His-tagged

Cat. No. MRAS-1335H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MRAS protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
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.
Form	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 5 mM DTT, 40% glycerol, 200 mM NaCl, 2 mM EDTA.
Molecular Weight	25.7 kDa (225 aa), confirmed by MALDI-TOF
Purity	> 90 % by SDS-PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MATSAVPSDN LPTYKLVVVG DGGVGKSALT IQFFQKIFVP DYDPTIEDSY LKHTEIDNQW AILDVLDTAG QEEFSAMREQ

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YMRTGDGFLI VYSVTDKASF EHVDRFHQLI LRVKDRESFP MILVANKVDL
MHLRKITREQ GKEMATKHNI PYIETSAKDP PLNVDKAFHD LVRVIRQQIP
EKSQKKKKKT KWRGDRATGT HKLQC

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Pathways

HTLV-I infection; IL-3 Signaling Pathway; MAPK signaling pathway; Regulation of Actin Cytoskeleton; Tight junction

GENE INFORMATION

Gene Name

MRAS muscle RAS oncogene homolog [Homo sapiens]

Official Symbol

MRAS

Synonyms

MRAS; muscle RAS oncogene homolog; M-RAS; RRAS3; R-RAS3; FLJ42964; ras-related protein M-Ras; OTTHUMP00000216882; OTTHUMP00000216883; OTTHUMP00000216886; OTTHUMP00000216887; muscle and microspikes RAS; ras-related protein R-Ras3

Gene ID

22808

mRNA Refseq

NM_001085049

Protein Refseq

NP_001078518

MIM

608435

UniProt ID

O14807

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Chromosome

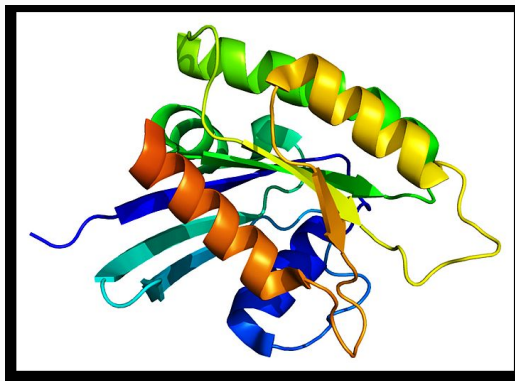
3q22.3

Location

Function

GTP binding; GTP-dependent protein binding; GTPase activity; nucleotide binding

PDB rendering based
on 1x1r.



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