

RRAS2, 1- 201 aa, Human, His-tagged, Recombinant, E.coli

Cat.NO.: TP03803

3th Edition

Synonyms:RAS viral (r-ras) oncogene homolog 2 isoform a, TC21

Description:RAS viral (r-ras) oncogene homolog 2 isoform a, also known as RRAS2, belongs to the Ras like GTPase family that cycle between GTP-bound active and GDP-bound inactive states at the cytoplasmic face of the plasma membrane. It is implicated in the pathogenesis of human cancers. Thus, overexpression of active RRAS2 in EpH4 cells induces tumorigenicity through the phosphoinositide 3-kinase, p38 MAPK, and mTOR pathways, and these cells lose their sensitivity to the normal growth inhibitory role of TGF-beta.

Form:Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 1mM DTT, 10% glycerol, 2mM EDTA

Molecular Weight:25.2 kDa (221aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMAAAGWRDGSQEKYRLVVVGGGGVSKSALTIQFIQSYFVTDYDPTIEDSYTKQ
CVIDDRAARLDILDTAGQEEFGAMREQYMRTGEGFLLVFSVTDGRGSFEEIYKFQRQILRVKDRDEFPMILIGNKADL
DHQRQVTQEEGQQLARQLKVTYMEASAKIRMNVDQAFHELVRVIRKFQEQECPSPPEPTRKEKDKKGGCHC

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.