

Product information



RRAS2, 1- 201 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0396

Full name: RAS viral (r-ras) oncogene homolog 2 isoform a

NCBI Accession No.: NP_036382

Synonyms: TC21

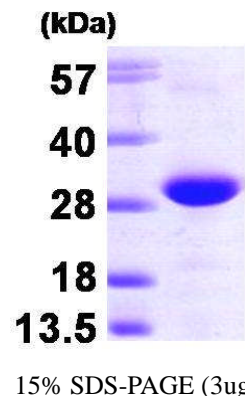
Description: RAS viral (r-ras) oncogene homolog 2 isoform a, also known as RRAS2, belongs to the Ras like GTPase family that cycle between GTP-bound active and GDP-bound inactive states at the cytoplasmic face of the plasma membrane. It is implicated in the pathogenesis of human cancers. Thus, overexpression 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. Recombinant human RRAS2, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

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

Molecular Weight: 25.2 kDa (221aa)

Purity: > 95 % by SDS - PAGE

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



Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MAAAGWRDGS GQEKYRLVVV GGGGVGKSAL TIQFIQSYFV TOYDPTIEDS YTKQCVIDDR AARLDILDTA
GQEEFGAMRE QYMRTGEGFL LVFSVTRDGS FEEIYKFQRQ ILRVKDRDEF PMILIGNKAD LDHQRQVTQE EGQLARQLK VTYMEASAKI
RMNVDQAFHE LVRVIRKFQE QECPPSPEPT RKEKDKKGCH C

General references:

Erdogan M., et al. (2007) *J Biol Chem.* 282(38):27713-20.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

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Movilla N., et al. (1999) *Oncogene*. 18(43):5860-9.

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.

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