

## Product datasheet for **TP304591**

### RRAS2 (NM\_012250) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human related RAS viral (r-ras) oncogene homolog 2 (RRAS2), transcript variant 1, 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC204591 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MAAAGWRDGSQGEKYRLVWGGGGVVGKSALTIQFIQSYFVTDYDPTIEDSYTKQCVIDDRAARLDILDTA  
GQEEFGAMREQYMRTGEGFLLVFSVTDGRGSFEEIYKFQRQILRVKDRDEFPMILIGNKADLDHQRVQVTE  
EGQQLARQLKVTYMEASAKIRMNVDQAFHELVRVIRKFQEQCPPSPEPTRKEKDKKGCHCVIF

**SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 23.2 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_036382](#)

**Locus ID:** 22800

**UniProt ID:** [P62070](#)



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RefSeq Size: 2360

Cytogenetics: 11p15.2

RefSeq ORF: 612

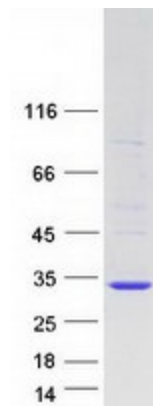
Synonyms: NS12; TC21

**Summary:** This gene encodes a member of the R-Ras subfamily of Ras-like small GTPases. The encoded protein associates with the plasma membrane and may function as a signal transducer. This protein may play an important role in activating signal transduction pathways that control cell proliferation. Mutations in this gene are associated with the growth of certain tumors. Pseudogenes of this gene are found on chromosomes 1 and 2. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Apr 2010]

**Protein Families:** Druggable Genome

**Protein Pathways:** MAPK signaling pathway, Regulation of actin cytoskeleton, Tight junction

### Product images:



Coomassie blue staining of purified RRAS2 protein (Cat# TP304591). The protein was produced from HEK293T cells transfected with RRAS2 cDNA clone (Cat# [RC204591]) using MegaTran 2.0 (Cat# [TT210002]).