

## Product datasheet for **AR09279PU-L**

### **RRAS2 / TC21 (1-201, His-tag) Human Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	RRAS2 / TC21 (1-201, His-tag) human recombinant protein, 0.5 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	<u>MGSSHHHHHH SSGLVPRGSH</u> MAAAGWRDGS GQEKYRLVW GGGGVGKSAL TIQFIQSYFV TDYDPTIEDS YTKQCVIDDR AARLDILDTA GQEEFGAMRE QYMRTGEGFL LVFSVTDRGS FEEIYKFQRQ ILRVKDRDEF PMILIGNKAD LDHQRQVTQE EGQQLARQLK VTMEASAKI RMNVDAQAFHE LVRVIRKFQE QECPPSPEPT RKEKDKKGCH C
<b>Tag:</b>	His-tag
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>95% % by SDS - PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT 10% glycerol, 2 mM EDTA
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human RRAS2, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Storage:</b>	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<u>NP_001096139</u>
<b>Locus ID:</b>	22800
<b>UniProt ID:</b>	<u>P62070</u>
<b>Cytogenetics:</b>	11p15.2
<b>Synonyms:</b>	NS12; TC21



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**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:**