

## Product datasheet for **AR50160PU-S**

### MRAS (1-205, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	MRAS (1-205, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MATSAVPSDN LPTYKLVWG DGGVGKSALT IQFFQKIFVP DYDPTIEDSY LKHTIEDNQW AILDVLDTAG QEEFSAMREQ YMRTGDGFLI VYSVTDKASF EHVDRFHQLI LRVKDRESFP MILVANKVDL MHLRKITREQ GKEMATKHNI PYIETSAKDP PLNVDKAFHD LVRVIRQQIP EKSQKKKKKT KWRGDRATGT HKLQC
Tag:	His-tag
Predicted MW:	25.7 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 5 mM DTT, 40% glycerol, 200 mM NaCl, 2 mM EDTA
Preparation:	Liquid purified protein
Protein Description:	Recombinant human MRAS protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001078518</a>
Locus ID:	22808
UniProt ID:	<a href="#">O14807</a> , <a href="#">Q6FGP0</a> , <a href="#">Q8WVM9</a>
Cytogenetics:	3q22.3
Synonyms:	M-RAS; NS11; R-RAS3; RRAS3



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**Summary:**

This gene encodes a member of the Ras family of small GTPases. These membrane-associated proteins function as signal transducers in multiple processes including cell growth and differentiation, and dysregulation of Ras signaling has been associated with many types of cancer. The encoded protein may play a role in the tumor necrosis factor-alpha and MAP kinase signaling pathways. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011]

**Protein Families:**

Druggable Genome

**Protein Pathways:**

MAPK signaling pathway, Regulation of actin cytoskeleton, Tight junction

**Product images:**