

Product datasheet for **TP303493**

RRAGA (NM_006570) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human Ras-related GTP binding A (RRAGA), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203493 protein sequence Red =Cloning site Green =Tags(s)
	<p>MPNTAMKKKVLMLGKSGSGKTSMRSIIFANYIARDTRRLGATIDVEHSHVRFGLNLVNLWDCGGQDTFM ENYFTSQRDNIFRNVEVLIYVFDVESRELEKDMHYQSCLEAILQNSPDAKIFCLVHKMDLVQEDQRDLI FKEREEDLRRLSRPLECACFRTSIWDETLYKAWSSIVYQLIPNVQQLEMNLRNFAQIIEADEVLLFERAT FLVISHYQCQEQRDVHRFEKISNIIKQFKLSCSKLAASFQSMIEVRNSNFAAFIDIFTSNTYVMVMMSDPS IPSAATLINIRNARKHFEKLERVDGPKHSLLMR</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	36.4 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:	<u>NP_006561</u>
Locus ID:	10670



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UniProt ID: [Q7L523](#)

RefSeq Size: 1657

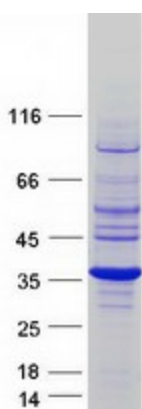
Cytogenetics: 9p22.1

RefSeq ORF: 939

Synonyms: FIP-1; FIP1; RAGA

Summary: Guanine nucleotide-binding protein that plays a crucial role in the cellular response to amino acid availability through regulation of the mTORC1 signaling cascade. Forms heterodimeric Rag complexes with RRAGC or RRAGD and cycles between an inactive GDP-bound and an active GTP-bound form. In its active form participates in the relocalization of mTORC1 to the lysosomes and its subsequent activation by the GTPase RHEB. Involved in the RCC1/Ran-GTPase pathway. May play a direct role in a TNF-alpha signaling pathway leading to induction of cell death. May alternatively act as a cellular target for adenovirus E3-14.7K, an inhibitor of TNF-alpha functions, thereby affecting cell death.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified RRAGA protein (Cat# TP303493). The protein was produced from HEK293T cells transfected with RRAGA cDNA clone (Cat# [RC203493]) using MegaTran 2.0 (Cat# [TT210002]).