

Recombinant Human RRAGA Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RRAGA-3143H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RRAGA MS Standard C13 and N15-labeled recombinant protein (NP_006561) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	36.6 kDa
AA Sequence	MPNTAMKKKVLLMGKSGSGKTSMRSIIFANYIARDTRRLGATIDVEHSHVRLGNLVL NLWDCGGQDTFMENYFTSQRDNIFRNVEVLIYVFDVESRELEKDMHYYQSCLEAIL QNSPDAKIFCLVHKMDLVQEDQRDLIFKEREEDLRRLSRPLECACFRTSIWDETLTK AWSSIVYQLIPNVQQLEMNLRNFAQIIEADEVLLFERATFLVISHYQCKEQRDVHRFE KISNIIKQFKLSCSKLAASFQSMEVNRNSNFAAFIDFTSNTYVMVMSDPSIPSAATLINI RNARKHFELERVDGPKHSLLMRTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

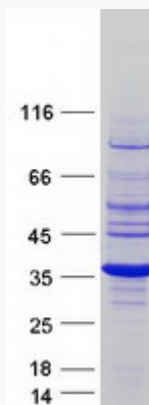
GENE INFORMATION

Gene Name	RRAGA Ras-related GTP binding A [Homo sapiens (human)]
Official Symbol	RRAGA
Synonyms	RRAGA; Ras-related GTP binding A; FIP1; RAGA; FIP-1; ras-related GTP-binding protein A; adenovirus E3 14.7 kDa-interacting protein 1; adenovirus E3-14.7K interacting protein 1; rag A
Gene ID	10670
mRNA Refseq	NM_006570
Protein Refseq	NP_006561
MIM	612194
UniProt ID	Q7L523

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SDS-PAGE

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