Recombinant Human RRAGA Protein (1-247 aa), GST-tagged

Cat. No. RRAGA-1197H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RRAGA Protein (1-247 aa) is produced by E. coli expression system. This protein is fused with a GST tag at the N-terminal. Research Area: Apoptosis. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	1-247 aa
Description	Guanine nucleotide-binding protein forming heterodimeric Rag complexes required for the amino acid-induced relocalization of mTORC1 to the lysosomes and its subsequent activation by the GTPase RHEB. This is a crucial step in the activation of the TOR signaling cascade by amino acids. 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.
Form	Tris-based buffer,50% glycerol
Molecular Mass	56.1 kDa
AA Sequence	MPNTAMKKKVLLMGKSGSGKTSMRSIIFANYIARDTRRLGATIDVEHSHVRFLGNLVL NLWDCGGQDTFMENYFTSQRDNIFRNVEVLIYVFDVESRELEKDMHYYQSCLEAIL QNSPDAKIFCLVHKMDLVQEDQRDLIFKEREEDLRRLSRPLECACFRTSIWDETLYK

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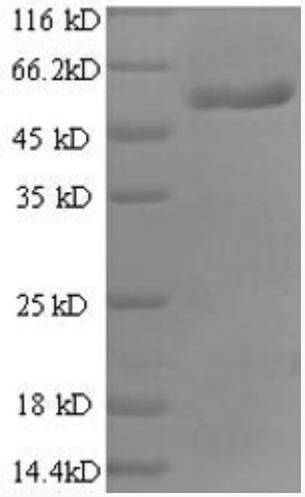
	AWSSIVYQLIPNVQQLEMNLRNFAQIIEADEVLLFERATFLVISHYQCKEQRDVHRFEKISNIIKQFKLSCSKLAA
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name	RRAGA Ras-related GTP binding A [Homo sapiens]
Official Symbol	RRAGA
Synonyms	FIP1; RAGA; FIP-1;
Gene ID	10670
mRNA Refseq	NM_006570.4
Protein Refseq	NP_006561.1
MIM	612194

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UniProt ID	Q7L523



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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