

## Product datasheet for TP504448

### Rraga (NM\_178376) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse Ras-related GTP binding A (Rraga), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204448 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MPNTAMKKKVLMLMGKSGSGKTSMRSIIFANYIARDTRRLGATIDVEHSHVRFGLNVLNLWDCGGQDTFM  
ENYFTSQRDNIFRNVEVLIYVFDVESRELEKDMHYYQSCLEAILQNSPDAKIFCLVHKMDLVQEDQRDLI  
FKEREEDLRRLSRPLECACFRTSIWDETLYKAWSSIVYQLIPNVQQLEMNLRNFAQIIEADEVLLFERAT  
FLVISHYQCQEQRDVHRFEKISNIIKQFKLSCSKLAASFQSMSEVRNSNFAAFIDIFTSNTYVMVMSDPS  
IPSAATLINIRNARKHFEKLERVDGPKHSLLMR

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	36.6 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
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 after receiving vials.
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:	<a href="#">NP_848463</a>
Locus ID:	68441
UniProt ID:	<a href="#">Q80X95</a>



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RefSeq Size: 1653

Cytogenetics: 4 C4

RefSeq ORF: 942

Synonyms: 1300010C19Rik; AI255374; FIP-1; 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.[UniProtKB/Swiss-Prot Function]