

## Product datasheet for PH301860

### RRAGB (NM\_006064) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	RRAGB MS Standard C13 and N15-labeled recombinant protein (NP_006055)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201860
Predicted MW:	40.2 kDa
Protein Sequence:	>RC201860 protein sequence Red=Cloning site Green=Tags(s)

MEESDSEKTEKENLGPRMDPPLGEPEGLGWLPNTAMKKKVLLMGKSGSGKTSMRSIIFANYIARDTR  
RLGATIDVEHSHVRFLGNLVLNLWDCGGQDTFMENYFTSQRDNIFRNVEVLIYVFDVESRELEKDMHYQQ  
SCLEAILQNSPDAKIFCLVHKMDLVQEDQRDLIFKEREEDLRRLSRPLECSCFRTSIWDETLYKAWSSIV  
YQLIPNVQQLMNLNFAEIIIEADEVLLFERATFLVISHYQCKEQRDAHRFEKISNIIKQFKLSCSKLAA  
SFQSM EVRNSNFAAFIDIFTSTNTYVMVMSDPSIPSAATLINIRNARKHFEKLERVDGPKQCLLMR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_006055</a></u>
RefSeq Size:	2143
RefSeq ORF:	1038
Synonyms:	bA465E19.1; RAGB
Locus ID:	10325



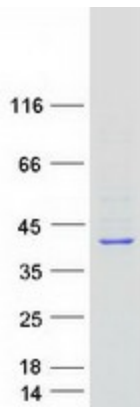
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UniProt ID: Q5VZM2, Q5VZM2-2

Cytogenetics: Xp11.21

**Summary:** Ras-homologous GTPases constitute a large family of signal transducers that alternate between an activated, GTP-binding state and an inactivated, GDP-binding state. These proteins represent cellular switches that are operated by GTP-exchange factors and factors that stimulate their intrinsic GTPase activity. All GTPases of the Ras superfamily have in common the presence of six conserved motifs involved in GTP/GDP binding, three of which are phosphate-/magnesium-binding sites (PM1-PM3) and three of which are guanine nucleotide-binding sites (G1-G3). Transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Jul 2008]

### Product images:



Coomassie blue staining of purified RRAGB protein (Cat# [TP301860]). The protein was produced from HEK293T cells transfected with RRAGB cDNA clone (Cat# [RC201860]) using MegaTran 2.0 (Cat# [TT210002]).