



# Recombinant Mouse Ras-related GTP-binding protein B (Rragb)

<b>Product Code</b>	CSB-EP761224MO-B
<b>Abbreviation</b>	Rragb
<b>Storage</b>	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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q6NTA4
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MEESDSEKKT EKENVGPKVE PPLGPEPEGS L GWAMPNAAMK KKVLLMGKSG SGKTSMRSII FANYIARDTR RLGATILDRI HSLQINSSLS TYSLVDSVGN TKTFDVEHSH VRFLGNLVLN LWDCGGQDTF MENYFTSQRD NIFRNVEVLI YVFDVESREL EKDMHYYQSC LEAILQNSPE AKIFCLVHKM DLVQEDQRDL IFKEREEDLR RLSRPLECSC FRTSIWDETL YKAWSSIVYQ LIPNVQQLEM NLRNFAEII E ADEVLLFERA TFLVISHYQC KEQRDAHRFE KISNIIKQFK LSCSKLAASF QSMEVRNSNF AAFIDIFTSN TYVMVVMSDP SIPSAATLIN IRNARKHFEK LERVDGPKQC LLMR
<b>Source</b>	E.coli
<b>Target Names</b>	Rragb
<b>Protein Names</b>	Recommended name: Ras-related GTP-binding protein B Short name= Rag B Short name= RagB
<b>Expression Region</b>	1-374
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life**

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