



# Recombinant Rat Ras-related GTP-binding protein B (RragB)

<b>Product Code</b>	CSB-EP730900RA-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>	Q63487
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MEESDSEKKT EKENVGPKVE PPLGPEPEGSL GWAMPNAAMK KKVLLMGKSG SGKTSMRSII FANYIARDTR RLGATILDRI HSLQINSSLS TYSLVDSVGN TKTFDVEHSH VRFLGNLVLN LWDCGGQDTF MENYFTSQRD NIFRNVEVLI YVFDVESREL EKDMHYYQSC LEAILQNSPE AKIFCLVHKM DLVQEDQRDL IFKEREEDLR RLSRPLECSC FRTSIWDETL YKAWSSIVYQ LIPNVQQLEM NLRNFAEIIIE 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= RragB
<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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