



Recombinant Human Ras-related GTP-binding protein B (RRAGB)

Product Code	CSB-MP726126HU
Abbreviation	RRAGB
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q5VZM2
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MEESDSEKTT EKENLGPRMD PPLGEPEGSL GWVLPNTAMK KKVLLMGKSG SGKTSMRSII FANYIARDTR RLGATILDRI HSLQINSSLS TYSLVDSVGN TKTFDVEHSH VRFLGNLVLN LWDCGGQDTF MENYFTSQRD NIFRNVEVLI YVFDVESREL EKDMHYQSC LEAILQNSPD AKIFCLVHKM DLVQEDQRDL IFKEREDLR RLSRPLECSC FRTSIWDETL YKAWSSIVYQ LIPNVQQLEM NLRNFAEIIIE ADEVLLFERA TFLVISHYQC KEQRDAHRFE KISNIIKQFK LSCSKLAASF QSMEVRNSNF AAFIDIFTSN TYVMVMSDP SIPSAATLIN IRNARKHFEK LERVDGPKQC LLMR
Source	Mammalian cell
Target Names	RRAGB
Protein Names	Recommended name: Ras-related GTP-binding protein B Short name= Rag B Short name= RagB
Expression Region	1-374
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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

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.