



Recombinant Rat GTP-binding protein Rheb (Rheb)

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| Product Code | CSB-EP733832RA-B |
| Abbreviation | Rheb |
| 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. | Q62639 |
| Product Type | Recombinant Protein |
| Immunogen Species | Rattus norvegicus (Rat) |
| Purity | ≥85% (SDS-PAGE) |
| Sequence | MPQSKSRKIA ILGYRSVGKS SLTIQFVEGQ FVDSYDPTIE NTFTKLITVN GQEYHLQLVD TAGQDEYSIF PQTYSIDING YILVYSVTSI KSFEVIKVIH GKLLDMVGKV QIPIMLVGNK KDLHMervis YEEGKALAES WNAAFLESSA KENQTAVDVF RRIILEAEKI DGAASQGKSS C |
| Source | E.coli |
| Target Names | Rheb |
| Protein Names | Recommended name: GTP-binding protein Rheb Alternative name(s): Ras homolog enriched in brain |
| Expression Region | 1-181 |
| 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 | This gene is a member of the small GTPase superfamily and encodes a lipid-anchored, cell membrane protein with five repeats of the RAS-related GTP-binding region. This protein is vital in regulation of growth and cell cycle progression due to its role in the insulin/TOR/S6K signaling pathway. The protein has GTPase activity and shuttles between a GDP-bound form and a GTP-bound form, and farnesylation of the protein is required for this activity. Three pseudogenes have been mapped, two on chromosome 10 and one on chromosome 22. |
| 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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