



Recombinant Human Regulator of G-protein signaling 2 (RGS2)

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| Product Code | CSB-EP019651HU-B |
| Storage | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| Uniprot No. | P41220 |
| Product Type | Recombinant Protein |
| Immunogen Species | Homo sapiens (Human) |
| Purity | >85% (SDS-PAGE) |
| Sequence | MQSAMFLAVQ HDCRPMDKSA GSGHKSEEKR EKMKRTLLKD WKTRLSYFLQ NSSTPGKPKT GKSKSQAFI KPSPEEAQLW SEAFDELLAS KYGLAAFRAF LKSEFCEENI EFWLACEDFK KTKSPQKLSS KARKIYTDFI EKEAPKEINI DFQTKLIAQ NIQEATSGCF TTAQKRVSLS MENNSYPRFL ESEFYQDLCK KPQITTEPHA T |
| Source | E.coli |
| Target Names | RGS2 |
| Protein Names | Recommended name: Regulator of G-protein signaling 2 Short name= RGS2 Alternative name(s): Cell growth-inhibiting gene 31 protein G0/G1 switch regulatory protein 8 |
| Expression Region | 1-211 |
| 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 | Regulator of G protein signaling (RGS) family members are regulatory molecules that act as GTPase activating proteins (GAPs) for G alpha subunits of heterotrimeric G proteins. RGS proteins are able to deactivate G protein subunits of the Gi alpha, Go alpha and Gq alpha subtypes. They drive G proteins into their inactive GDP-bound forms. Regulator of G protein signaling 2 belongs to this family. The protein acts as a mediator of myeloid differentiation and may play a role in leukemogenesis. |
| 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.