



Recombinant Human Regulator of G-protein signaling 18 (RGS18)

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| Product Code | CSB-YP019649HU |
| Abbreviation | RGS18 |
| 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. | Q9NS28 |
| Product Type | Recombinant Protein |
| Immunogen Species | Homo sapiens (Human) |
| Purity | >85% (SDS-PAGE) |
| Sequence | METLLFFSQ INMCESKEKT FFKLIHGSGK EETSKEAKIR AKEKRNRLSL LVQKPEFHED TRSSRSGHLA KETRVSPEEA VKWGESFDKL LSHRDGLEAF TRFLKTEFSE ENIEFWIACE DFKKSKGPQQ IHLKAKAIYE KFIQTDAPKE VNLD FHTKEV ITNSITQPTL HSFDAAQSRV YQLMEQDSYT RFLKSDIYLD LMEGRPQRPT NLRRRSRSFT CNEFQDVQSD VAIWL |
| Source | Yeast |
| Target Names | RGS18 |
| Protein Names | Recommended name: Regulator of G-protein signaling 18 Short name= RGS18 |
| Expression Region | 1-235 |
| 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 encodes a member of the regulator of G-protein signaling family. This protein contains a conserved, 120 amino acid motif called the RGS domain. The protein attenuates the signaling activity of G-proteins by binding to activated, GTP-bound G alpha subunits and acting as a GTPase activating protein (GAP), increasing the rate of conversion of the GTP to GDP. This hydrolysis allows the G alpha subunits to bind G beta/gamma subunit heterodimers, forming inactive G-protein heterotrimers, thereby terminating the signal. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized. |
| 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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