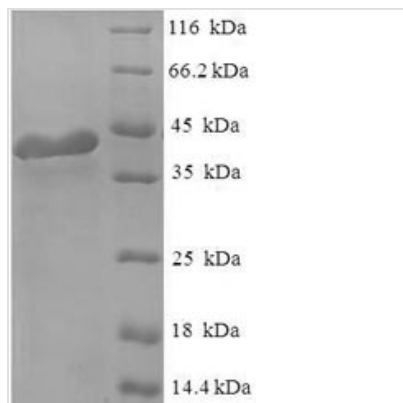




Recombinant Human Regulator of G-protein signaling 2 (RGS2)

Product Code	CSB-EP019651HU
Relevance	Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving th into their inactive GDP-bound form. May play a role in leukogenesis. Plays a role in negative feedback control pathway for adenylyl cyclase signaling. Binds EIF2B5 and blocks its activity, thereby inhibiting the translation of mRNA into protein.
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.	P41220
Alias	Cell growth-inhibiting gene 31 protein;G0/G1 switch regulatory protein 8
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MQSAMFLAVQHDCRPMDKSAGSGHKSEEKREKMKRTLLKDWKTRLASYFLQN SSTPGKPKTGKSKQQAQAFIKPSPEEAQLWSEAFDELLASKYGLAAAFRAFLKSE FCEENIEFWLACEDFKKTKSPQKLSSKARKIYTDFIEKEAPKEINIDFQTKTLIAQ NIQEATSGCFTTAQKRVYSLMENNSYPRFLESEFYQDLCKKPQITTEPHAT
Lead Time	3-7 business days
Research Area	Signal Transduction
Source	E.coli
Gene Names	RGS2
Expression Region	1-211aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	40.4kDa
Protein Description	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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.