

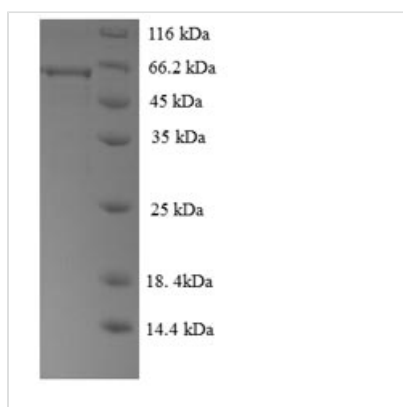


Recombinant Human Regulator of G-protein signaling 7 (RGS7)

Product Code	CSB-EP019659HU
Relevance	Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving th into their inactive GDP-bound form. Activity on G(o)-alpha is specifically enhanced by the RGS6/GNG5 dimer. May play a role in synaptic vesicle exocytosis. May play important role in the rapid regulation of neuronal excitability and the cellular responses to short-lived stimulations .
Abbreviation	Recombinant Human RGS7 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.	P49802
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MAQGNNYGQTSNGVADESPNMLVYRKMEDVIARMQDEKNGIPIRTVKSFLSKI PSVFSGSDIVQWLKLNLTIEDPVEALHLGLMAAHGYFFPISDHVLTLDKDDGTFY RFQTPYFWPSNCWEPENTDYAVYLCKRTMQNKARLELADYEAESLARLQRAF ARKWEFIFMQAEAQAKVDKKRDKIERKILDSQERAFWDVHRPVPGCVNTTEV DIKKSSRMRNPHKTRKSVYGLQNDIRSHSPTHTPTPETKPPTTEDELQQQIKYW QIQLDRHRLKMSKVADSLLSYTEQYLEYDPFLLPPDPSNPWLSDDTTFWLEEA SKEPSQQRVKRWGFMDALKDPVGREQFLKFLSEFSSENLRFWLAVEDLK KRPIKEVPSRVQEIWQEFAPGAPSAINLDSKSYDKTTQNVKEPGRYTFEDAQ EHIYKLMKSDSYPRFIRSSAYQELLQAKKSGNSMDRRTSFEKFAQNVGKSLT SKRLTSLAQSY
Research Area	Signal Transduction
Source	E.coli
Target Names	RGS7
Protein Names	Recommended name: Regulator of G-protein signaling 7 Short name= RGS7
Expression Region	1-487aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	60.7kDa
Protein Length	Full Length of Isoform 5



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.

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.