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

Product Code	CSB-MP019649HU
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	METTLLFFSQ INMCESKEKT FFKLIHGSGK EETSKEAKIR AKEKRNRLSL LVQKPEFHED TRSSRSGHLA KETRVSPEEA VKWGESFDKL LSHRDGLEAF TRFLKTEFSE ENIEFWIACE DFKKSKGPQQ IHLKAKAIYE KFIQTDAPKE VNLDFHTKEV ITNSITQPTL HSFDAAQSRV YQLMEQDSYT RFLKSDIYLD LMEGRPQRPT NLRRRSRSFT CNEFQDVQSD VAIWL
Source	Mammalian cell
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 is 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	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.