



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

<b>Product Code</b>	CSB-EP019649HU
<b>Abbreviation</b>	RGS18
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q9NS28
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	METLLFFSQ INMCESKEKT FFKLIHGSGK EETSKEAKIR AKEKRNRLSL LVQKPEFHED TRSSRSGHLA KETRVSPEEA VKWGESFDKL LSHRDGLEAF TRFLKTEFSE ENIEFWIACE DFKKSKGPQQ IHLKAKAIYE KFIQTDAPKE VNLDFTKEV ITNSITQPTL HSFDAAQSRV YQLMEQDSYT RFLKSDIYLD LMEGRPQRPT NLRRRSRSFT CNEFQDVQSD VAIWL
<b>Source</b>	E.coli
<b>Target Names</b>	RGS18
<b>Protein Names</b>	Recommended name: Regulator of G-protein signaling 18 Short name= RGS18
<b>Expression Region</b>	1-235
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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.

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**Shelf Life**

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