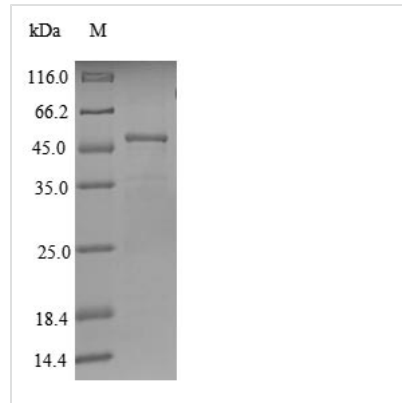




Recombinant Human Regulator of G-protein signaling 17 (RGS17)

Product Code	CSB-EP019648HU
Relevance	Regulates G protein-coupled receptor signaling cascades, including signaling via muscarinic acetylcholine receptor CHRM2 and dopamine receptor DRD2. Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits, thereby driving them into their inactive GDP-bound form. Binds selectively to GNAZ and GNAI2 subunits, accelerates their GTPase activity and regulates their signaling activities. Negatively regulates mu-opioid receptor-mediated activation of the G-proteins.
Abbreviation	Recombinant Human RGS17 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.	Q9UGC6
Storage Buffer	Tris-based buffer,50% glycerol
Product Type	Others
Immunogen Species	Homo sapiens (Human)
Sensitivity	Measured by its binding ability in a functional ELISA. Immobilized AQP1 at 2 µg/ml can bind human RGS17, the EC50 of human RGS17 protein is 31.63-34.44 µg/ml.
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MRKRQQSQNEGTPAVSQAPGNQRPNNNTCCFCWCCCCSCSCLTVRNEERGE NAGRPTHHTTKMESIQVLEECQNPTAEEVLSWSQNFDKMMKAPAGRNLRFREFL RTEYSEENLLFWLACEDLKKEQNKKVIEEKARMIYEDYISILSPKEVSLDSRVRE VINRNLLDPNPHMYEDAQLQIYTLMHRDSFPRFLNSQIYKSFVESTAGSSSES
Research Area	Signal Transduction
Source	E.coli
Target Names	RGS17
Expression Region	1-210aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	51.4 kDa

**Protein Length****Full Length****Image**

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

Shelf Life

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