

Recombinant Mouse Rgs7 Protein, Myc/DDK-tagged

Cat. No. Rgs7-5500M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length regulator of G protein signaling 7 (cDNA clone MGC:58271 IMAGE:6588901), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Regulates G protein-coupled receptor signaling cascades. Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits, thereby driving them into their inactive GDP-bound form. The RGS7/GNB5 dimer enhances GNAO1 GTPase activity. May play a role in synaptic vesicle exocytosis. Modulates the activity of potassium channels that are activated by GNAO1 in response to muscarinic acetylcholine receptor M2/CHRM2 signaling.
Molecular Mass	55 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Rgs7 regulator of G protein signaling 7 [Mus musculus (house mouse)]

Official Symbol Rgs7

Synonyms Rgs7; regulator of G protein signaling 7; regulator of G-protein signaling 7; Regulator of G-protein signaling 7 (RGS7)

Gene ID 24012

mRNA Refseq NM_011880

Protein Refseq NP_036010

UniProt ID O54829

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