Recombinant Mouse Rgs2 Protein, Myc/DDK-tagged

Cat. No. Rgs2-5496M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length regulator of G-protein signaling 2 (Rgs2), 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. It is involved in the negative regulation of the angiotensin-activated signaling pathway. Plays a role in the regulation of blood pressure in response to signaling via G protein-coupled receptors and GNAQ. Plays a role in regulating the constriction and relaxation of vascular smooth muscle. Binds EIF2B5 and blocks its activity, thereby inhibiting the translation of mRNA into protein.
Molecular Mass	24.3 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	Rgs2 regulator of G-protein signaling 2 [Mus musculus (house mouse)]
Official Symbol	Rgs2
Synonyms	RGS2; regulator of G-protein signaling 2; GOS8
Gene ID	19735
mRNA Refseq	NM_009061
Protein Refseq	NP_033087
UniProt ID	O08849

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