

Recombinant Mouse Gpha2 Protein, Myc/DDK-tagged

Cat. No. Gpha2-3287M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length glycoprotein hormone alpha 2 (Gpha2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Functions as a heterodimeric glycoprotein hormone with GPHB5 able to bind and activate the thyroid-stimulating hormone receptor (TSHR), leading to increased cAMP production. Plays a central role in controlling thyroid cell metabolism.
Molecular Mass	14 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
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

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Gene Name	Gpha2 glycoprotein hormone alpha 2 [Mus musculus (house mouse)]
Official Symbol	Gpha2
Synonyms	GPHA2; glycoprotein hormone alpha 2; glycoprotein hormone alpha-2; thyrostimulin subunit alpha; putative secreted protein Zsig51; GPA2; zsig51
Gene ID	170458
mRNA Refseq	NM_130453
Protein Refseq	NP_569720
UniProt ID	Q925Q5

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