

Product datasheet for **TP500702**

Gpha2 (NM_130453) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse glycoprotein hormone alpha 2 (Gpha2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR200702 protein sequence Red =Cloning site Green =Tags(s)
	MPMAPRVLLLCLLGLAVTEGHSPETAIPGCHLHPFNVTVRSDRLGTCQGSHVAQACVGHCESSAFPSRYS VLVASGYRHNITSSSQCTISSLRKVRVWLQCVGNQRGELEIFTARACQCDMCRFSRY
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	14 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_569720
Locus ID:	170458
UniProt ID:	Q925Q5
RefSeq Size:	624
Cytogenetics:	19 A
RefSeq ORF:	384



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Synonyms: GPA2; zsig51

Summary: 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.[UniProtKB/Swiss-Prot Function]