

Product datasheet for **TP502050**

Rgs16 (NM_011267) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse regulator of G-protein signaling 16 (Rgs16), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR202050 protein sequence Red =Cloning site Green =Tags(s)
	 MCRTLATFPNTCLERAKEFKTRLGIFLHKSELSSDTGGISKFEWASKHNKERSFSEDVLGWRESFDLLN SKNGVAAFHAFKTEFSEENLEFWLACEEFKKIRSATKLASRAHHIFDEYIRSEAPKEVNIDHETRELT KTNLQAATTSCFDVAQGKTRTLMKDSYPRFLKSPAYRDLAAQASATSTSAPSSSPAEPSHT TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	22.7 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:	<u>NP_035397</u>
Locus ID:	19734
UniProt ID:	<u>P97428</u> , <u>Q542U0</u>
RefSeq Size:	2351
Cytogenetics:	1 65.43 cM



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RefSeq ORF: 606

Synonyms: Rgs14; Rgsr

Summary: Regulates G protein-coupled receptor signaling cascades (PubMed:9079700). Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits, thereby driving them into their inactive GDP-bound form (PubMed:10373502). Plays an important role in the phototransduction cascade by regulating the lifetime and effective concentration of activated transducin alpha (PubMed:8917514). May regulate extra and intracellular mitogenic signals. [UniProtKB/Swiss-Prot Function]