

Product datasheet for **TP505399**

Gnat2 (NM_008141) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse guanine nucleotide binding protein, alpha transducing 2 (Gnat2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR205399 protein sequence Red =Cloning site Green =Tags(s)

MGSGISAEDKELARRSKELEKLLQEDADKEAKTVKLLLLGAGESGKSTIVKQMKIIHQDGYSPEECLEFK
SVIYGNVLQSILAIRAMSTLGIDYAEPCADAGRQLNNLADSTEEGTMPPPELVDVIRKLWKDGGVQACF
DRAAEFQLNDSASYLNQLDRITDPNYLPNEQDVLSRVKTTGIIETKFSVKDLNFRMFDVGGQRSEKIK
WIHCFEGVTCTIIFCAALSAYDMVLVEDDEVNRMHESLHLFNSICNHKFFAATSIVLFLNKKDLFEEKIKK
VHLSICFPEYDGNNSYEDAGNYIKSQFLDLNMRKDVKEIYSHMTCATDTQNVKVFVDAVTDIIKENLKD
CGLF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	40.1 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_032167
Locus ID:	14686
UniProt ID:	P50149 , A2AE33



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RefSeq Size:	1796
Cytogenetics:	3 46.83 cM
RefSeq ORF:	1065
Synonyms:	AW490837; Gnat-2; Gt-2; Tcalpha
Summary:	Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. Transducin is an amplifier and one of the transducers of a visual impulse that performs the coupling between rhodopsin and cGMP-phosphodiesterase.[UniProtKB/Swiss-Prot Function]