

Product datasheet for **TP504344**

Gnptg (NM_172529) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse N-acetylglucosamine-1-phosphotransferase, gamma subunit (Gnptg), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204344 protein sequence Red =Cloning site Green =Tags(s)

MAGRLAGFLMLLGLASQGPAPACAGKMKVVEEPNTFGLNNPFLPQASRLQPKREPSAVSGPLHLFRLAGK
CFSLVESTYKYEFCPFHNVTQHEQTFRWNAYSGILGIWHEWEIINNTFKGMWMTDGDSCHSRSRQSKVEL
TCGKINRLAHVSEPSTCVYALTFETPLVCHPHSLLVYPTLSEALQQRWDQVEQDLADELITPQGYEKLLR
VLFEDAGYLKVPGETHPTQLAGGSKGLGLETLDNCRKAHAELSQEVQRLTSLQGHGIPHTQPTETTHSQ
HLGQQLPIGAIAAEHLRSDPGLRGNIL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	34.1 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_766117
Locus ID:	214505
UniProt ID:	Q6S5C2 , A0A0R4J0H5



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RefSeq Size: 1234

Cytogenetics: 17 A3.3

RefSeq ORF: 924

Synonyms: 6430527N14Rik; A830081F19; AU067667; AU067744; Mdcp1; Tce7

Summary: Non-catalytic subunit of the N-acetylglucosamine-1-phosphotransferase complex, an enzyme that catalyzes the formation of mannose 6-phosphate (M6P) markers on high mannose type oligosaccharides in the Golgi apparatus. Binds and presents the high mannose glycans of the acceptor to the catalytic alpha and beta subunits (GNPTAB). Enhances the rate of N-acetylglucosamine-1-phosphate transfer to the oligosaccharides of acid hydrolase acceptors. [UniProtKB/Swiss-Prot Function]