

Recombinant Mouse Gnptg Protein, Myc/DDK-tagged

Cat. No. Gnptg-3266M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length N-acetylglucosamine-1-phosphotransferase, gamma subunit (Gnptg), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	34.1 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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Gnptg N-acetylglucosamine-1-phosphotransferase, gamma subunit [Mus musculus (house mouse)]

Official Symbol Gnptg

Synonyms GNPTG; N-acetylglucosamine-1-phosphotransferase, gamma subunit; N-acetylglucosamine-1-phosphotransferase subunit gamma; T-complex expressed 7; M6PR domain containing protein 1; M6PR domain-containing protein 1; mannose-6-phosphate receptor domain; glcNAc-1-phosphotransferase subunit gamma; UDP-N-acetylglucosamine-1-phosphotransferase subunit gamma; Tce7; Mdcp1; AU067667; AU067744; A830081F19; 6430527N14Rik

Gene ID 214505

mRNA Refseq NM_172529

Protein Refseq NP_766117

UniProt ID Q6S5C2

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