

## Product datasheet for **TP305280**

### GNPTG (NM\_032520) Human Recombinant Protein

#### Product data:

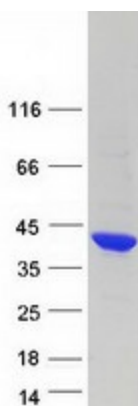
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human N-acetylglucosamine-1-phosphate transferase, gamma subunit (GNPTG), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205280 representing NM_032520 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MAAGLARLLLLLGLSAGGPAPAGAAKMKVVEEPNAFGVNNPFLPQASRLQAKRDPSPVSGPVHLFRLSGK CFSLVESTYKYEFCPFHNVTQHEQTFRWNAYSGILGIWHEWEIANNTFTGMWMRDGDACRSRSRQSKVEL ACGKSNRLAHVSEPSTCVYALTFETPLVCHPHALLVYPTLPEALQRQWDQVEQDLADELITPQGHEKLLR TLFEDAGYLKTPENEPTQLEGGPDSLGFETLENCRAHKELSKEIKRLKGLLTQHGIPYTRPTETSINLEH LGHETPRAKSPEQLRGDPGLRGSL</p> <p><b>SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	33.8 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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:	<a href="#">NP_115909</a>
Locus ID:	84572



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UniProt ID:	<a href="#">Q9UJJ9</a>
RefSeq Size:	1228
Cytogenetics:	16p13.3
RefSeq ORF:	912
Synonyms:	C16orf27; GNPTAG; LP2537; RJD9
Summary:	<p>This gene encodes the gamma subunit of the N-acetylglucosamine-1-phosphotransferase complex. This hexameric complex, composed of alpha, beta and gamma subunits, catalyzes the first step in synthesis of a mannose 6-phosphate lysosomal recognition marker. This enzyme complex is necessary for targeting of lysosomal hydrolases to the lysosome. Mutations in the gene encoding the gamma subunit have been associated with mucopolipidosis IIIC, also known as mucopolipidosis III gamma.[provided by RefSeq, Feb 2010]</p>
Protein Families:	Secreted Protein

### Product images:



Coomassie blue staining of purified GNPTG protein (Cat# TP305280). The protein was produced from HEK293T cells transfected with GNPTG cDNA clone (Cat# [RC205280]) using MegaTran 2.0 (Cat# [TT210002]).