

Product datasheet for PH305280

GNPTG (NM_032520) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GNPTG MS Standard C13 and N15-labeled recombinant protein (NP_115909)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205280
Predicted MW:	33.8 kDa
Protein Sequence:	>RC205280 representing NM_032520 Red=Cloning site Green=Tags(s) MAAGLARLLLLLGLSAGGPAPAGAAMKVVVEEPNAFGVNNPFLPQASRLQAKRDPSPVSGPVHLFRLSGK CFSLVESTYKYEFCPFHNVTQHEQTFRWNAYSGLGIWHEWEIANNTFTGMWMDGDACRSRSRQSKVEL ACGKSNRLAHVSEPSTCVYALTFETPLVCHPHALLVYPTLPEALQRQWDQVEQDLADELITPQGHEKLLR TLFEDAGYLKTPENEPTQLEGGPDSLGFETLENCRAHKELSKKIKRLKGLLTQHGIPYTRPTETSINLEH LGHETPRAKSPEQLRGDPGLRGS SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_115909</u>
RefSeq Size:	1228
RefSeq ORF:	912
Synonyms:	C16orf27; GNPTAG; LP2537; RJD9
Locus ID:	84572



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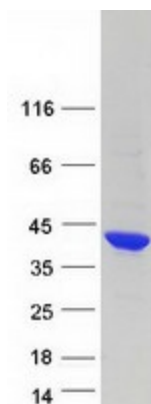
UniProt ID: [Q9UJJ9](#)

Cytogenetics: 16p13.3

Summary: 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]

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]).