

## Product datasheet for PH307497

### GNMT (NM\_018960) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	GNMT MS Standard C13 and N15-labeled recombinant protein (NP_061833)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207497
Predicted MW:	32.7 kDa
Protein Sequence:	>RC207497 protein sequence Red=Cloning site Green=Tags(s)  MVDSVYRTRSLGVAAEGLPDQYADGEEAARVWQLYIGDTRSRTAEYKAWLLGLLRQHGCQRVLDVACGTGV DSIMLVEEGFSVTSVDASDKMLKYALKERWNRHPEAFDKWVIEEANWMTLDKDVPPQSAEGGFDAVICLG NSFAHLPDCKGDQSEHRLALKNIASMVRAGLLVIDHRNYDHILSTGCAPPGKNIYYKSDLTKDVTTSVL IVNKAHMVTLDYTVQVPGAGQDQSPGLSKFRLSYYPHCLASFTELLQAAFGGKCQHSVLGDFKPYKPGQ TYIPCYFIHVLKRTD  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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><a href="#">NP_061833</a></u>
RefSeq Size:	1091
RefSeq ORF:	885
Synonyms:	HEL-S-182mP
Locus ID:	27232



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UniProt ID: [Q14749](#), [V9HW60](#)

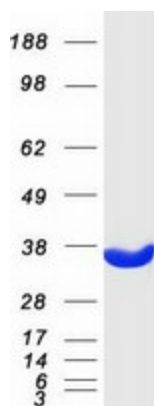
Cytogenetics: 6p21.1

**Summary:** The protein encoded by this gene is an enzyme that catalyzes the conversion of S-adenosyl-L-methionine (along with glycine) to S-adenosyl-L-homocysteine and sarcosine. This protein is found in the cytoplasm and acts as a homotetramer. Defects in this gene are a cause of GNMT deficiency (hypermethioninemia). Alternative splicing results in multiple transcript variants. Naturally occurring readthrough transcription occurs between the upstream CNPY3 (canopy FGF signaling regulator 3) gene and this gene and is represented with GeneID:107080644. [provided by RefSeq, Jan 2016]

**Protein Families:** Druggable Genome

**Protein Pathways:** Glycine, serine and threonine metabolism

### Product images:



Coomassie blue staining of purified GNMT protein (Cat# [TP307497]). The protein was produced from HEK293T cells transfected with GNMT cDNA clone (Cat# [RC207497]) using MegaTran 2.0 (Cat# [TT210002]).