

Recombinant Human GNMT Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GNMT-535H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GNMT MS Standard C13 and N15-labeled recombinant protein (NP_061833) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	32.7 kDa
AA Sequence	MVDSVYRTRSLGVAAEGLPDQYADGEAARVWQLYIGDTRSRTAEYKAWLLGLLRQ HGCQRVLDVACGTGVDSIMLVEEGFSVTSVDASDKMLKYALKERWNRHEPAFDK WVIEEANWMTLDKDVPSAEGGFDAVICLGNSFAHLPDCKGDQSEHRLALKNIASM VRAGLLVIDHRNYDHILSTGCAPPKNIYYKSDLTKDVTTSVLIVNNKAHMVTLDYT VQVPGAGQDGSPGLSKFRLSYYPHCLASFTELLQAAFQGGKQCQHSVLGDFKPYKPG

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QTYIPCYFIHVLKRTDTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name GNMT glycine N-methyltransferase [Homo sapiens (human)]

Official Symbol GNMT

Synonyms GNMT; glycine N-methyltransferase; HEL-S-182mP; glycine N-methyltransferase; epididymis secretory sperm binding protein Li 182mP; EC 2.1.1.20

Gene ID 27232

mRNA Refseq NM_018960

Protein Refseq NP_061833

MIM 606628

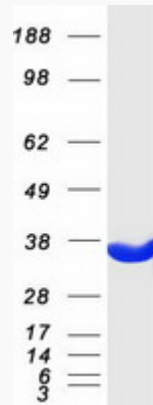
UniProt ID Q14749

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SDS-PAGE



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