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 HGCQRVLDVACGTGVDSIMLVEEGFSVTSVDASDKMLKYALKERWNRRHEPAFDK WVIEEANWMTLDKDVPQSAEGGFDAVICLGNSFAHLPDCKGDQSEHRLALKNIASM VRAGGLLVIDHRNYDHILSTGCAPPGKNIYYKSDLTKDVTTSVLIVNNKAHMVTLDYT VQVPGAGQDGSPGLSKFRLSYYPHCLASFTELLQAAFGGKCQHSVLGDFKPYKPG

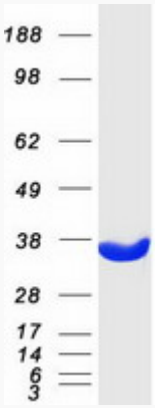
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	QTYIPCYFIHVLKRTDTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. 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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