

Recombinant Human GNMT Protein, His-tagged

Cat. No. GNMT-577H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GNMT(Val2~Asp295) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Val2~Asp295
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.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	36.3kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 96%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others.

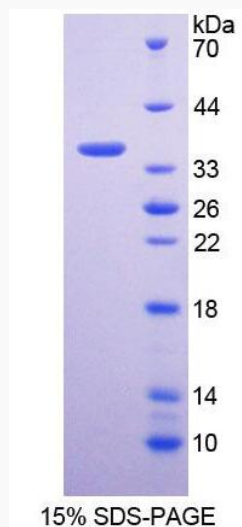
GENE INFORMATION

Gene Name	GNMT glycine N-methyltransferase [Homo sapiens]
Official Symbol	GNMT
Synonyms	GNMT; glycine N-methyltransferase;
Gene ID	27232
mRNA Refseq	NM_018960
Protein Refseq	NP_061833
MIM	606628
UniProt ID	Q14749

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