

Recombinant Full Length Human GNMT Protein, GST-tagged

Cat. No. GNMT-5400HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human GNMT full-length ORF (AAH32627, 1 a.a. - 295 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
Protein Length	295 amino acids
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. The encoded protein is found in the cytoplasm and acts as a homotetramer. Defects in this gene are a cause of GNMT deficiency (hypermethioninemia). [provided by RefSeq]
Molecular Mass	58.19 kDa
AA Sequence	MVDSVYRTRSLGVAAEGLPDQYADGEAARVWQLYIGDTRSRTAEYKAWLLGLLRQ HGCQRVLDVACGTGVDSIMLVEEGFSVTSVDASDKMLKYALKERWNRHHEPAFDK WVIEEANWMTLTKDVPQSAEGGFDAVICLGNSFAHLPDCKGDQSEHRLALKNIASM VRAGLLVIDHRNYDHILSTGCAPPGKNIYYKSDLTKDVTTSLIVNNAHIVTLDYTV QVPGAGQDGPGLSKFRLSYYPHCLASFTELLQAAFGGKQCQHSVLGDFKPYKPGQ TYIPCYFIHALKRTD
Applications	Enzyme-linked Immunoabsorbent Assay

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Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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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