

GNMT recombinant protein

GNMT, 1-295aa, Human, His tag, E Coli

CATALOG # AAA48517	HOST E Coli	APPLICATIONS SDS-Page
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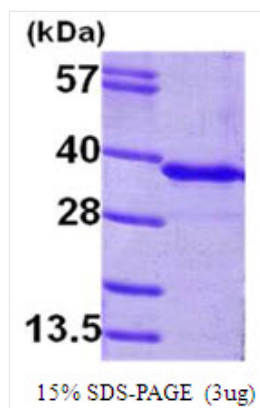
PRODUCT SYNONYMS

GNMT; 1-295aa; Human; His tag; E Coli; Glycine N-methyltransferase; Glycine N-methyltransferase EC 2.1.1.20; Glycine N methyltransferase.; GNMT recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid in 20mM Tris pH 8.0, 20% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MVDSVYRTRS LGVAAEGLPD QYADGEAARV WQLYIGDTRS RTAEYKAWLL GLLRQHGCQR VLDVACGTGV DSIMLVEEGF SVTSVDASDK MLKYALKERW NRRHEPAFDK WVIEEANWMT LDKDVPQSAE GGFDVICLG NSFALPDCK GDQSEHRLAL KNIA SMVRAG GLLVIDHRNY DHILSTGCAP PGKNIYYKSD LTKDVTTSVL IVNNKAHMT LDYTVQVPGA GQDGPGLSK FRLSYYPHCL ASFTELLQAA FGGKCQHSVL GDFKPYKPGQ TYIPCYFIHV LKRTD
Sequence Length	1-295
Applicable Applications for GNMT recombinant protein	SDS-PAGE
Tag Information	His-tag
Endotoxin Level	< 1 EU per 1ug of protein (determined by LAL method)
Domain	1-295aa
Preparation and Storage	Can be stored at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

ADDITIONAL INFORMATION

Related Product Information for GNMT recombinant protein	Glycine N-methyltransferase, also known as GNMT, catalyzes the synthesis of N-methylglycine (sarcosine) from glycine using S-adenosylmethionine (AdoMet) as the methyl donor. This protein affects DNA methylation by regulating the ratio of S-adenosylmethionine to S-adenosylhomocystine and participates in the detoxification pathway in liver cells. Also it is reported that GNMT expression is diminished in human hepatocellular carcinoma (HCC). Recombinant human GNMT protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for GNMT recombinant protein	Enzymes & Proteases
References	Liao YJ., et al. (2009) Int J Cancer.124 (4):816-26.; Huang YC., et al. (2008) J Gastroenterol Hepatol. 23 (9):1384-9.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	9506741
NCBI GeneID	27232
NCBI Accession #	NP_061833
NCBI GenBank Nucleotide #	NM_018960.5
UniProt Accession #	Q14749; Q5T8W2; Q9NNZ1; Q9NS24
Molecular Weight	34.9kDa (315aa), confirmed by MALDI-TOF.
NCBI Official Full Name	glycine N-methyltransferase isoform 1
NCBI Official Synonym Full Names	glycine N-methyltransferase
NCBI Official Symbol	GNMT
NCBI Official Synonym Symbols	HEL-S-182mP
NCBI Protein Information	glycine N-methyltransferase
UniProt Protein Name	Glycine N-methyltransferase
UniProt Gene Name	GNMT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/gnmt-recombinant-protein-e-coli-sds-page/48517>