GNMT
Recombinant Human Glycine N-methyltransferase (aa 1-295) His

Catalog No.	CRG132A CRG132B	**Quantity:**	100 µg 500 µg

Alternate Names: GNMT

Gene ID: 27232

Protein Accession No: NP_061833

Description: 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.

Concentration: 1 mg/ml (determined by Bradford assay)

Source: *E. coli*

Molecular Weight: 34.9 kDa (315 aa), confirmed by MALDI-TOF

Formulation: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol

Purity: > 95% by SDS - PAGE

Endotoxin Level: < 1.0 EU per 1µg of protein (determined by LAL method)

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MVDSVYRTRS LGVAAEGLPD QYADGEAARV WQLYIGDTRS RTAEYKAWLL GLLRQHGCQR VLDVACGTGV DSIMLVEEGF SVTSVDASDK MLKYALKERW NRRHEPAFDK WVIEEANWMT LDKDVPQSAE GGFDAVICLG NSFAHLPDCK GDQSEHRLAL KNIASMVRAG GLLVIDHRNY DHILSTGCAP PGKNIYYKSD LTKDVTTSVL IVNNKAHMVT LDYTVQVPGA GQDGSPGLSK FRLSYYPHCL ASFTELLQAA FGGKCQHSVL GDFKPYKPGQ TYIPCYFIHV LKRTD

Storage & Stability: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. **Avoid repeated freezing and thawing cycles.**

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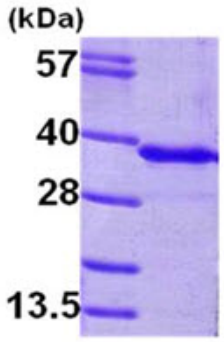

15% SDS-PAGE (3ug)

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