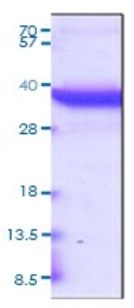
Bioactive Full-Length

GNMT (Human) Recombinant Protein

Catalog # P6825 Size 20 ug

Applications



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

Specification

Product Description	Human Glycine N-methyltransferase/GNMT protein (NP_061833, 1 a.a.-295 a.a.) full length recombinant protein with His tag expressed in *Escherichia coli*.
Host	Escherichia coli
Theoretical MW (kDa)	34.9
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purity	> 95% by SDS-PAGE
Endotoxin Level	< 1 EU/ug
Activity	Specific activity is > 100 nmol/min/mg, and is defined as the amount of enzyme that transfer 1.0 nmole of methyl group per minute at 37°C.
Quality Control Testing	SDS-PAGE under reducing condition and visualized by coomassie blue stain. SDS-PAGE under reducing condition and visualized by coomassie blue stain.
Recommend Usage	SDS-PAGE The optimal working dilution should be determined by the end user.

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Storage Buffer	In 20 mM Tris-HCl, pH 8.0 (20% glycerol)
Storage Instruction	Store at -20°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — GNMT

Entrez GeneID	27232
Protein Accession#	Q14749
Gene Name	GNMT
Gene Alias	-
Gene Description	glycine N-methyltransferase
Omim ID	606628 606664
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	OTTHUMP00000016412

Pathway

- Glycine

Disease

- Cleft Lip
- Cleft Palate

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- Folic Acid Deficiency
- Genetic Predisposition to Disease
- Prostate cancer
- Prostatic Hyperplasia
- Prostatic Neoplasms
- Spinal Dysraphism

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