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Datasheet for ABIN7318543 **GNMT Protein (His tag)**



Overview	
Quantity:	50 µg
Target:	GNMT
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GNMT protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human GNMT Protein (His Tag)
Sequence:	Met 1-Asg294
Characteristics:	Recombinant Human Glycine N-Methyltransferase is produced by our E.coli expression system and the target gene encoding Met1-Asg294 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per μ g as determined by the LAL method.

Target Details

Target:	GNMT
Alternative Name:	GNMT (GNMT Products)
Background:	Background: Glycine N-Methyltransferase (GNMT) is a tetrameric cytosolic protein. GNMT
	as the methyl donor. It can affects DNA methylation by regulating the ratio of S-

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Target Details

	adenosylmethionine to S-adenosylhomocystine, playing an important role in maintaining normal AdoMet levels. GNMT is highly expressed in liver. As a major folate-binding protein, GNMT takes part in the detoxification pathway. Defects in GNMT are the cause of hypermethioninemia. the patients with this deficiency are mild hepatomegaly and chronic elevation of serum transaminases.
Molecular Weight:	34.9 kDa
UniProt:	Q14749
Pathways:	Cellular Glucan Metabolic Process, Regulation of Carbohydrate Metabolic Process
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 μm filtered solution of 20 mM TrisHCl, 150 mM NaCl, pH 8.0.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.