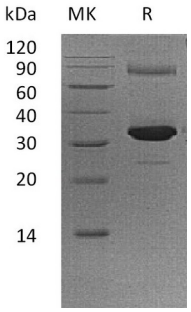
Product Name: Recombinant Human GNMT (N-6His)
Catalog #: PEH0743

Summary

Name	Glycine N-methyltransferase/GNMT
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Glycine N-Methyltransferase is produced by our E.coli expression system and the target gene encoding Met1-Asp295 is expressed with a 6His tag at the N-terminus.
Accession #	Q14749
Host	E.coli
Species	Human
Predicted Molecular Mass	34.9 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Background

Alternative Names	Glycine N-Methyltransferase; GNMT
Background	Glycine N-Methyltransferase (GNMT) is a tetrameric cytosolic protein. GNMT catalyzes the synthesis of N-methylglycine from glycine using S-

adenosylmethionine (AdoMet) as the methyl donor. It can affects DNA methylation by regulating the ratio of S-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.

Note

For Research Use Only , Not for Diagnostic Use.