

**Recombinant Human Glycine N-Methyltransferase/GNMT Protein(N-6His)**

**Cat.NO.: TP06194**

3th Edition

**Synonyms:**Glycine N-Methyltransferase; GNMT

**Description:**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.

**Form:**PBS

**Molecular Weight:**34.9 kDa

**Sequences:**Met 1-Asg294

**Purity:**> 95% by HPLC

**Concentration:**

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

**Storage:**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.