

32-8060: Recombinant Human Glycine N-Methyltransferase/GNMT (N-6His)

Gene : GNMT
Gene ID : 27232
Uniprot ID : Q14749

Description

Source: E.coli.
MW :34.9kD.

Recombinant Human GNMT 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. 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 affect 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.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, pH 8.0.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MGSSHHHHHSSGLVPRGSHMVDSVYRTRSLGVAAEGLPDQYADGEAARVWQLYIGDTRSRTAEYKAWLLG
LLRQHGCQRVLDVACGTGVDSIMLVEEGFSVTSVDASDKMLKYALKERWNRHPEAFDKWVIEEANWMTLD
KDVPQSAEGGFDAVICLGNSFAHLPDCKGDQSEHRLALKNIASMRAGLLVIDHRNYDHILSTGCAPPGKNY
YKSDLTKDVTTSVLIVNNAHMTLDYTVQVPGAGQDGPGLSKFRLSYYPHCLASFTELLQAAFGGKQHSVL
GDFKPYKPGQTYIPCYFIHVLKRTD

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.