

N-terminal Xaa-Pro-Lys N-methyltransferase1 isoform a, 1-223aa, Human, His tag, E.coli

Cat.NO.: TP03075

3th Edition

Synonyms:AD-003, C9orf32, HOMET1A, METTL11A, NRMT, NTM1A, NTMT1.

Description:NTMT1 also known as N-terminal Xaa-Pro-Lys N-methyltransferase1 isoform a. NTMT1 catalyzes the transfer of the methyl group from the S-adenosyl-L-methionine to the protein alpha-amine, resulting in formation of S-adenosyl-L-homocysteine and alpha-N-methylated proteins. NTMT1 is an interesting potential anticancer target because it is overexpressed in gastrointestinal cancers and plays an important role in cell mitosis. Recombinant human NTMT1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 0.15M NaCl, 10% glycerol

Molecular Weight:28.1kDa (248aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSEFMTSEVIEDEKQFYKAKTYWKQIPPTVDGMLGGYGHISIDINSSRKFLQ
RFLREGPNKTGTSCALDCGAGIGRITKRLLLPLFREVDMDITDFLVQAKTYLGEEGKRVRNYFCCGLQDFTPEPD
SYDVIWIQWVIGHLTDQHLAEFLRRCKGSLRPNGIIVIKDNMAQEGVILDDVDSSVCRDLDVVRRIIICSAGLSLLAEER
QENLPDEIYHVYSFALR

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Absorbance at 280nm)

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.