
Product Data Sheet

Product Name: NTMT1 Human
 Cat. No.: GP22016
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	NTMT1; N-Terminal Xaa-Pro-Lys N-Methyltransferase 1; X-Pro-LysN-Terminal Protein Methyltransferase 1A; AlphaN-Terminal Protein Methyltransferase 1A ; Methyltransferase-Like Protein 11A ; N-Terminal RCC1 Methyltransferase; METTL11A; C9orf32; NTM1A; NRMT; Chromosome 9 OpenReading Frame 32; Methyltransferase Like 11A; EC 2.1.1.244; AD-003; HOMT1A; NRMT1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSEFMTSEV IEDEKQFYISK AKTYWKQIPP TVDGMLGGYG HISSIDINSS RKFLQRFLRE GPNKTGTSCA LDCGAGIGRI TKRLLLPLFR EVDMDITED FLVQAKTYLG EEGKRVRYNF CCGLQDFTPE PDSYDVIWIQ WVIGHLTDQH LAEFLRRCKG		
Formulation	NTMT1protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15MNaCl and 10% glycerol.		

Introduction

N-terminal Xaa-Pro-Lys N-methyltransferase1, also known as NTMT1 belongs to the methyltransferase superfamily. NTMT1 catalyzes the transfer of the methyl group from the S-adenosyl-L-methionine to the protein-amine, resulting in the formation of S-adenosyl-L-homocysteine and N-methylated proteins. NTMT1 is a remarkable potential anticancer target since it is overexpressed in gastrointestinal cancers in addition to its essential function in cell mitosis.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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Background

NTMT1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 248 amino acids (1-223 a.a) and having a molecular mass of 28.1kDa. NTMT1 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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