

Recombinant human METTL11A protein

Catalog Number: ATGP3259

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-223aa

UniProt No.

Q9BV86

NCBI Accession No.

NP_054783.2

Alternative Names

AD-003, C9orf32, HOMT1A, METTL11A, NRMT, NTM1A, NTMT1

PRODUCT SPECIFICATION

Molecular Weight

28.1 kDa (248aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

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

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

NTMT1 also known as N-terminal Xaa-Pro-Lys N-methyltransferase1 isoform a. NTMT1 is 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.

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Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGSEF>MTSEV IEDEKQFY SK AKTYWKQIPP TVDGMLGGYG HISSIDINSS
RKFLQRFLRE GPNKTGTSCA LDCGAGIGRI TKRLLLPLFR EVDMDITED FLVQAKTYLG EEGKRVRYNF CCGLQDFTPE
PDSYDVIWIQ WVIGHLTDQH LAEFLRRCKG SLRPNGIIVI KDNMAQEGVI LDDVDSSVCR DLDVVRRIIC SAGLSLLAEE
RQENLPDEIY HVYSFALR

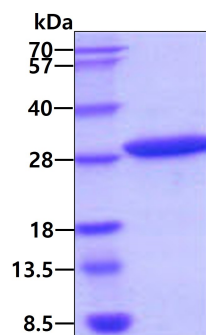
General References

Petkowski JJ., et al. (2013) Biochem J. 456(3): 453-462.

Richardson SL., et al. (2015) J Biol Chem. 290(18):11601-10.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.