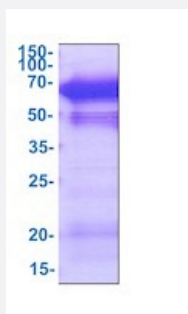


Full-Length

NMT1 (Human) Recombinant Protein

Catalog # P7782 Size 500 ug

Applications



SDS-PAGE analysis of NMT1 (Human) Recombinant Protein

Specification

Product Description

Human NMT1 (NP_066565.1, 1 a.a. - 496 a.a) full-length recombinant protein with His tag expressed in *Escherichia coli*.

Sequence

MGSSHHHHHHSSGLVPRGSHMGSMADSEETAVKPPAPPLPQMMEGNGNGHEHCSDCENEED
NSYNRGGLSPANDTGAKKKKKKQKKKKEKGSETDSAQDQPKMNSLPAERIQEIQKAIELFSVG
QGPAKTMEEASKRSYQFWDTPVPKLGEEVNTGHPVEPDKNIRQEPYTLPPQFTWDALDLGD
RGVLKELYTLNENYVEDDDNMFRFDYSPEFLWALRPPGWLPQWHCGVRVSSRKLVGFI
SAIPANIHYTEKKMVEINFLCVHKKLRSKRVAPVLIREITRRVHLEGIFQAVYTAGVVL
PKPVGTCTRYWHRSLNPRKLIEVKFSHLSRNMTRMTKLYRLPETPKTAGLRPMETKDIPV
VHQLLTRYLKQFHLPVMSQEEVEHWFYPQENIIDTFVVENANGEVTDFLSFYTL
PSTIMNHPTHKSLKAAYSFYNVHTQTPLLDLMSDALVLAKMKGFDVFNALDLMENKTFLEK
LKFGIGDGNLQYYLYNWKCPSMGAEKVGLVLQ

Host

Escherichia coli

Theoretical MW (kDa)

59.2

Form

Liquid

Preparation Method

Escherichia coli expression system

Purity

> 85% by SDS-PAGE

Quality Control Testing

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.
SDS-PAGE analysis of NMT1 (Human) Recombinant Protein

Recommend Usage

SDS-PAGE
The optimal working dilution should be determined by the end user.

Storage Buffer

In PBS, pH 7.4.

Storage Instruction

Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — NMT1

Entrez GeneID

[4836](#)

Protein Accession#

[P30419](#)

Gene Name

NMT1

Gene Alias

NMT

Gene Description

N-myristoyltransferase 1

Omim ID

[160993](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

Myristate, a rare 14-carbon saturated fatty acid, is cotranslationally attached by an amide linkage to the N-terminal glycine residue of cellular and viral proteins with diverse functions. N-myristoyltransferase (NMT; EC 2.3.1.97) catalyzes the transfer of myristate from CoA to proteins. N-myristoylation appears to be irreversible and is required for full expression of the biologic activities of several N-myristoylated proteins, including the alpha subunit of the signal-transducing guanine nucleotide-binding protein (G protein) GO (GNAO1; MIM 139311) (Duronio et al., 1992 [PubMed 1570339]).[supplied by OMIM]

Other Designations

alternative, short form NMT-S|long form, NMT-L|myristoyl-CoA:protein N-myristoyltransferase

Disease

- [Disease Progression](#)

- [Disease Susceptibility](#)
- [HIV Infections](#)
- [Tobacco Use Disorder](#)