

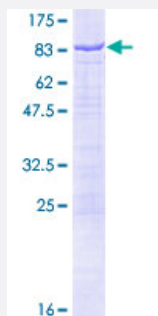
Full-Length

NMT1 (Human) Recombinant Protein (P01)

Catalog # H00004836-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human NMT1 full-length ORF (NP_066565.1, 1 a.a. - 496 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MADESETAVKPPAPPLPQMMEGNGNGHEHCSDCENEEDNSYNRGGLSPANDTGAKKKKKKQK
KKKEKGSETDSAQDQPVKMNSLPAERIQEIQKAIELFSVGQGPACTMEEASKRSYQFWDTPVP
KLGEVVNTHGPEPDKDNIRQEPYTLPGFTWDALDLGDRGVLKELYTLNENYVEDDDNMFRF
DYSPEFLLWALRPPGWLPQWHCGVRVSSRKLVGFIAPANIHYDTEKKMVEINFLCVHKKLRS
KRVAPVLIREITRRVHLEGIFQAVYTAGVVLKPVGTCTRYWHRSLNPRKLEVKFSLSRNMTMQRT
MKLYRLPETPKTAGLRPMETKDIPVVHQLLTRYLKQFHLTPVMSQEEVEHWFYPQENIIDTFVEN
ANGEVTDFLSFYTLPTIMNHPHKSLSKAAYSFYNVHTQTPLDLMSDALVLAKMKGFDVFNALDL
MENKTFLEKLKFGIGDGNLQYYLNNWKCPMSGAEKVGLVLQ

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

83.2

Interspecies Antigen Sequence

Mouse (97); Rat (97)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — NMT1

Entrez GeneID [4836](#)

GeneBank Accession# [NM_021079.3](#)

Protein Accession# [NP_066565.1](#)

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

Publication Reference

- [Inhibition of N-myristoyltransferase1 affects dengue virus replication.](#)

Suwanmanee S, Mahakhunkijcharoen Y, Ampawong S, Leaungwutiwong P, Missé D, Luplertlop N.

Microbiologyopen 2019 Mar; e00831.

Application: Func, WB, Human, Induced dendritic cells, Recombinant protein

Disease

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