

Recombinant Full Length Human NMT1 Protein, GST-tagged

Cat. No. NMT1-6602HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human NMT1 full-length ORF (NP_066565.1, 1 a.a. - 496 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	496 amino acids
Description	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
Molecular Mass	83.2 kDa
AA Sequence	MADESETAVKPPAPPLPQMMEGNGNGHEHCSDCENEEDNSYNRGGLSPANDTGA KKKKKKQKKKKEKGSETDSAQDQPVKMNSLPAERIQEIQKAIELFSVGQGPAKTMEE ASKRSYQFWDTPVPKLGEEVNTHGPEVPDKDNIRQEPYTLPPQGFTWDALDLGDR GVLKELYTLLNENYVEDDDNMFRFDYSPEFLLWALRPPGWLPQWHCGVRVVSRRK LVGFISAIPANIHIYDTEKKMVEINFLCVHKKLRSKRVAPVLIREITRRVHLEGIFQAVYT

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AGVVLPKPVGTCTRYWHRSLNPRKLIEVKFSHLSRNMQRTMKLYRLPETPKTAGL
RPMETKDIPVVHQLLTRYLKQFHLTPVMSQEEVEHWFYPQENIIDTFVVENANGEVT
DFLSFYTLPTIMNHPHSLKSLKAAYSFYNVHTQTPLLDLMSDALVLAKMKGFDVFNAL
DLMENKTFLEKLKFGIGDGNLQYYLYNWKCPMGAKEVGLVLQ

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	NMT1 N-myristoyltransferase 1 [Homo sapiens]
Official Symbol	NMT1
Synonyms	NMT1; N-myristoyltransferase 1; glycylopeptide N-tetradecanoyltransferase 1; alternative; short form NMT S; long form; NMT L; myristoyl CoA:protein N myristoyltransferase; NMT; NMT 1; long form, NMT-L; alternative, short form NMT-S; type I N-myristoyltransferase; peptide N-myristoyltransferase 1; myristoyl-CoA:protein N-myristoyltransferase 1;
Gene ID	4836
mRNA Refseq	NM_021079

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Protein Refseq	NP_066565
MIM	160993
UniProt ID	P30419

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