

Recombinant Human NMT2 protein, GST-tagged

Cat. No. NMT2-112H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NMT2(1 a.a. - 498 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-498 a.a.
Description	This gene encodes one of two N-myristoyltransferase proteins. N-terminal myristoylation is a lipid modification that is involved in regulating the function and localization of signaling proteins. The encoded protein catalyzes the addition of a myristoyl group to the N-terminal glycine residue of many signaling proteins, including the human immunodeficiency virus type 1 (HIV-1) proteins, Gag and Nef. Alternative splicing results in multiple transcript variants.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	80.52 kDa
AA Sequence	MAEDSESAASQQSLELDDQDTCGIDGDNEEETEHAAGSPGGYLGAKKKKKKQKRK KEKPNSGGTKSDSASDSQEI KIQQPSKNPSVPMQKLQDIQRAMELLSACQGPARNI DEAAKHRYQFWDTPVPKLDDEVITSHGAIEPDKDNVRQE PYSLPQGFMTDLDS DAEVLKELYTLLNENYVEDDDNMFRFDYSPEFLLWALRPPGWLLQWHCGVRVSSN KKLV GFISAIPANIRIYDSVKMVEINFLCVHKKLRSKRVPVLIREITRRVNLEGIFQA

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VYTAGVVLPKIATCRYWH RSLNPKKLVEVKFSHLSRNMTLQRTMKLYRLPDVTKT
SGLRPMPEPKDIKSVRELINTYLKQFHLAPVMDEEEVAH WFLPREHIIDTFVVEPNG
KLTDFLSFYTL PSTVMHHPAHKSLKAAYSFYNIHTETPLLDLMSDALILAKSKGFD VF
NALDLMENKTFLEKLKFGIGDGNLQYYLYNWRCPGTDSEKVGLVLQ

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.

GENE INFORMATION

Gene Name

NMT2 N-myristoyltransferase 2 [Homo sapiens]

Official Symbol

NMT2

Synonyms

NMT2; N-myristoyltransferase 2; glycylpeptide N-tetradecanoyltransferase 2; NMT 2;
type II N-myristoyltransferase; peptide N-myristoyltransferase 2; myristoyl-
CoA:protein N-myristoyltransferase 2;

Gene ID

9397

mRNA Refseq

NM_004808

Protein Refseq

NP_004799

MIM

603801

UniProt ID

O60551

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Chromosome Location	10p13
Pathway	Assembly of HIV virion, organism-specific biosystem; Disease, organism-specific biosystem; HIV Infection, organism-specific biosystem; HIV Life Cycle, organism-specific biosystem; Late Phase of HIV Life Cycle, organism-specific biosystem; Membrane binding and targetting of GAG proteins, organism-specific biosystem; Synthesis and organization of GAG, GAGPOL polyproteins, organism-specific biosystem;
Function	catalytic activity; glycylpeptide N-tetradecanoyltransferase activity; transferase activity, transferring acyl groups;

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