

# Recombinant Human NMT2 protein, His-tagged

**Cat. No.** NMT2-3434H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human NMT2(1-498aa) fused with His tag at N-terminal was expressed in E. coli.                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | 1-498 a.a.                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | NMT2, also known as glycylpeptide N-tetradecan-oyltransferases 2, is cytoplasmic protein that belong to the NMT family of proteins. The proteins in this family catalyze the addition of a myristoyl group to the N-terminal glycine residue of eukaryotic, fungal and viral proteins. They are primarily detected in heart, gut, kidney, liver and placenta. |
| <b>Form</b>             | Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 2mM DTT, 0.1M NaCl                                                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | 59.1 kDa (518aa), confirmed by MALDI-TOF                                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | MGSSHHHHHH SSGLVPRGSH MAEDSESAAS QQSLELDDQD TCGIDGDNEE<br>ETEHAKGSPG GYLGAKKKKK KQKRKKEKPN SGGTKSDSAS DSQEIKIQQP<br>SKNPSVPMQK LQDIQRAMEL LSACQGPARN IDEAAKHRYQ FWDTQPVPKL<br>DEVITSHGAI EPDKDNVRQE PYSLPQGFMW DTLDLSDAEV LKELYTLLNE<br>NYVEDDDNMF RFDYSPEFLW WALRPPGWLL QWHCGVRVSS NKKLVGFISA                                                                |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

IPANIRIYDS VKKMVEINFL CVHKKLRSKR VAPVLIREIT RRVNLEGIFQ  
 AVYTAGVVLP KPIATCRYWH RSLNPKKLVE VKFSHL SRNM TLQRTMKLYR  
 LPDVTKTSG L RPMEPKDIKS VRELINTY LK QFHLAPVMDE EEVAHWFLPR  
 EHIIDTFVVE SPNGKL TDFL SFYTL PSTVM HHPAHKSLKA AYSFYNIHTE  
 TPLLDLMSDA LILAKSKGFD VFNALDLMEN KTFLEKLKFG IGDGNLQYYL  
 YNWRCPGTDS EKVGLVLQ

**Purity** >85% by SDS - PAGE

**Storage** Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

**Concentration** 1 mg/ml (determined by Bradford assay)

## 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

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MIM</b>                 | 603801                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>UniProt ID</b>          | O60551                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Chromosome Location</b> | 10p13                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Pathway</b>             | 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; |
| <b>Function</b>            | catalytic activity; glycylopeptide N-tetradecanoyltransferase activity; transferase activity, transferring acyl groups;                                                                                                                                                                                                                                                                                           |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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