Recombinant Human NMT2 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human NMT2(1-498aa) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-498 a.a.
Description	NMT2, also known as glycylpeptide N-tetradecan-oyltransferases 2, is cytoplasmic protein that belong to the NMT family of proteins. The proteins in this familiy 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.
Form	Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 2mM DTT, 0.1M NaCl
Molecular Mass	59.1 kDa (518aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MAEDSESAAS QQSLELDDQD TCGIDGDNEE ETEHAKGSPG GYLGAKKKKK KQKRKKEKPN SGGTKSDSAS DSQEIKIQQP SKNPSVPMQK LQDIQRAMEL LSACQGPARN IDEAAKHRYQ FWDTQPVPKL DEVITSHGAI EPDKDNVRQE PYSLPQGFMW DTLDLSDAEV LKELYTLLNE NYVEDDDNMF RFDYSPEFLL WALRPPGWLL QWHCGVRVSS NKKLVGFISA

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	IPANIRIYDS VKKMVEINFL CVHKKLRSKR VAPVLIREIT RRVNLEGIFQ AVYTAGVVLP KPIATCRYWH RSLNPKKLVE VKFSHLSRNM TLQRTMKLYR LPDVTKTSGL RPMEPKDIKS VRELINTYLK QFHLAPVMDE EEVAHWFLPR EHIIDTFVVE SPNGKLTDFL SFYTLPSTVM 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

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MIM	603801
UniProt ID	O60551
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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