

## 32-2609: NMT2 Recombinant Protein

**Alternative Name :** Glycylpeptide N-tetradecanoyltransferase 2, Myristoyl-CoA:protein N-myristoyltransferase 2, NMT 2, Peptide N-myristoyltransferase 2, Type II N-myristoyltransferase, NMT2.

### Description

Source : Escherichia Coli. NMT2 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 518 amino acids (1-498 a.a.) and having a molecular mass of 59.1kDa. The NMT2 is purified by proprietary chromatographic techniques. Glycylpeptide N-tetradecan-oyltransferases 2 (NMT2) is a cytoplasmic protein which is a member of the NMT family of proteins. The proteins in the NMT family catalyze the addition of a myristoyl group to the N-terminal glycine residue of eukaryotic, fungal and viral proteins. These proteins are mostly detected in the heart, gut, kidney, liver and placenta. NMT catalyzes the reaction of N-terminal myristoylation of various signaling proteins. NMT transfers myristic acid from myristoyl coenzyme A to the amino group of a protein's N-terminal glycine residue. There are several distinct NMTs which vary in the molecular weight and /or subcellular distribution.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 85.0% as determined by SDS-PAGE.  
**Content :** The NMT2 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol, 2mM DTT and 0.1M NaCl.  
**Storage condition :** NMT2 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MAEDSESAAS QQSLELDDQD TCGIDGDNEE ETEHAKGSPG  
GYLGAKKKKK KQKRKKEKPN SGGTKSDSAS DSQEIKIQP SKNPSVPMQK LQDIQRAMEL LSACQGPARN  
IDEAAKHRYQ FWDTPVPKL DEVITSHGAI EPDKDNVRQE PYSLPQGF MW DTLDLSDAEV LKELYTLLNE  
NYVEDDDNMF RFDYSPEFL WALRPPGWLL QWHCGVRVSS NKKLVGFISA IPANIRIYDS VKKMVEINFL  
CVHKKLRSKR VAPVLIREIT RRVNLEGIFQ AVYTAGVVLP KPIATCRYWH RSLNPKLVE VKFSHLSRNM  
TLQRTMKLYR LPDVTKTSGL RPMEPKDIKS VRELINTYLK QFHLAPVMDE EEVAHWFLPR EHIIDTFVVE  
SPNGKLTDFL SFYTLPTVM HHPAHKSLKA AYSFYNIHTE TPLLDLMSDA LILAKSKGFD VFNALDLMEN  
KTFLEKLKFG IGDGNLQYYL YNWRCPGTDS EKVGLVLQ.

