Recombinant human NMT2 protein

Catalog Number: ATGP0910

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-498aa

UniProt No.
O60551

NCBI Accession No.
AAH06376.1

Alternative Names
N-myristoyltransferase 2

PRODUCT SPECIFICATION

Molecular Weight
59.1 kDa (518aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 0.1M NaCl

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant human NMT2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

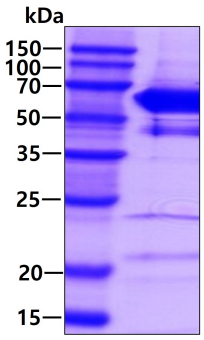
<MGSSHHHHHH SSGLVPRGSH> MAEDSESAAS QQSLELDDQD TCGIDGDNEE ETEHAKGSPG GYLGAKKKKK KQKRKKEKPN SGGTKSDSAS DSQEIKIQQP SKNPSVPMQK LQDIQRAMEL LSACQGPARN IDEAAKHRYQ FWDTQPVPKL DEVITSHGAI EPDKDNVRQE PYSLPQGFMW DTLDLSDAEV LKELYTLLNE NYVEDDDNMF RFDYSPEFLL WALRPPGWLL QWHCGVRVSS NKKLVGFISA IPANIRIYDS VKKMVEINFL CVHKKLRSKR VAPVLIREIT RRVNLEGIFQ AVYTAGVVLP KPIATCRYWH RSLNPKKLVE VKFSHLSRNM TLQRTMKLYR LPDVTKTSGL RPMEPKDIKS VRELINTYLK QFHLAPVMDE EEVAHWFLPR EHIIDTFVVE SPNGKLTDFL SFYTLPSTVM HHPAHKSLKA AYSFYNIHTE TPLLDLMSDA LILAKSKGFD VFNALDLMEN KTFLEKLKFG IGDGNLQYYL YNWRCPGTDS EKVGLVLQ

General References

Giang DK., et al. (1998) J Biol Chem. 273(12):6595-8.
Gottlinger HG., et al. (1989) Proc Natl Acad Sci u S A. 86(15):5781-5.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.