

AR51752PU-S

Human NMT1 (1-496, His-tag) - Purified

Alternate names:

Glycylpeptide N-tetradecanoyltransferase 1, NMT

Quantity:

0.1 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

Myristate, a rare 14-carbon saturated fatty acid, is cotranslationally attached by an amide linkage to the N-terminal glycine residue of cellular and viral proteins with diverse functions. N-myristoyltransferase catalyzes the transfer of myristate from CoA to proteins. N-myristoylation appears to be irreversible and is required for full expression of the biologic activities of several N-myristoylated proteins, including the alpha subunit of the signal-transducing guanine nucleotide-binding protein (G protein) GO.

Uniprot ID:

[P30419](#)

NCBI:

[NP_066565](#)

GenelD:

[4836](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95% by SDS - PAGE

Buffer System: Phosphate buffered saline (pH7.4).

Description:

Recombinant human NMT1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSMADSET AVKPPAPPLP QMMEGNGNGH EHCSDCENEE
DNSYNRGGLS PANDTGAKKK KKKQKKKKEK GSETDSAQDQ PVKMNSLPAE RIQEIQAIE
LFSVGQGPAPK TMEASKRSY QFWDTPVPK LGEVVNTHGP VEPDKDNIRQ EPYTLPQGFT
WDALDLGDRG VLKELYTLN ENYVEDDDNM FRFDYSPEFL LWALRPPGWL PQWHCGVRVV
SSRKLVGFI AIPANIHIYD TEKKMVEINF LCVHKKLRK RVAPVLIREI TRRVHLEGIF
QAVYTAGVVL PKPVGTCRYW HRSLNPRKLI EVKFSLSRN MTMQRTMKLY RLPETPKTAG
LRPMETKDIP VVHQLLTRYL KQFHLTPVMS QEEVEHWFYP QENIIDTFV ENANGEVTD
LSFYTLPTI MNHPTHKSLK AAYSFYNVHT QTPLLDLMSD ALVLAKMKGF DVFNALDLME
NKTFLKELKF GIGDGNLQYY LYNWKCPMSG AEKVGLVLQ

Molecular weight: 59.2 kDa (519 aa)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Glover C.J. et al. (1997) J. Biol. Chem. 272:28680-28689. Van Damme P. et al. (2012) Proc. Natl. Acad. Sci. U.S.A. 109:12449-12454.

Pictures:

