

Datasheet for ABIN7549837

NMT1 Protein (AA 1-496) (His tag)



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Overview

Quantity:	1 mg
Target:	NMT1
Protein Characteristics:	AA 1-496
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NMT1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat NMT1 Protein expressed in mammalian cells.
Sequence:	<p>MADESETAVK PPAPPLPQMM EGNNGNGHEHC SDCENEEDNS YNRGGLSPAN DTGAKKKKKK</p> <p>QKKKKEKGSE TDSAQDQPVK MNSLPAERIQ EIQAIELFS VGQGPACTME EASKRSYQFW</p> <p>DTQVPVKLGE VVNTHGPEP DKDNIRQEPY TLPQGFTWDA LDLGDRGVK ELYTLLNENY</p> <p>VEDDDNMFRF DYSPEFLLWA LRPPGWLPQW HCGVRVSSR KLVGFISAIP ANIHIYDTEK</p> <p>KMVEINFLCV HKKLRSKRVA PVLIREITRR VHLEGIFQAV YTAGVVLKP VGTCRYWHRS</p> <p>LNPRKLIEVK FSHLSRNTM QRTMKLYRLP ETPKTAGLRP METKDIPVH QLLTRYLKQF</p> <p>HLTPVMSQEE VEHWFYPQEN IIDTFVVENA NGEVTDFLSF YTLPTIMNH PTHKSLKAAAY</p> <p>SFYNVHTQTP LLDLMSDALV LAKMKGFDVF NALDLMENKT FLEKLKFGIG DGNLQYYLYN</p> <p>WKCPSMGAEK VGLVLQ Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

NMT1

Alternative Name:

NMT1 ([NMT1 Products](#))

Background:

Glycylpeptide N-tetradecanoyltransferase 1 (EC 2.3.1.97) (Myristoyl-CoA:protein N-myristoyltransferase 1) (HsNMT1) (NMT 1) (Type I N-myristoyltransferase) (Peptide N-myristoyltransferase 1) (Protein-lysine myristoyltransferase NMT1) (EC 2.3.1.-),FUNCTION: Adds a myristoyl group to the N-terminal glycine residue of certain cellular and viral proteins (PubMed:22865860, PubMed:32686708, PubMed:34999170, PubMed:25255805, PubMed:9353336, PubMed:9506952). Also able to mediate N-terminal lysine myristoylation of proteins: catalyzes myristoylation of ARF6 on both 'Gly-2' and 'Lys-3' (PubMed:32103017, PubMed:32111831). Lysine myristoylation is required to maintain ARF6 on membranes during the GTPase cycle (PubMed:32103017). {ECO:0000269|PubMed:22865860, ECO:0000269|PubMed:25255805, ECO:0000269|PubMed:32103017, ECO:0000269|PubMed:32111831, ECO:0000269|PubMed:32686708, ECO:0000269|PubMed:34999170, ECO:0000269|PubMed:9353336, ECO:0000269|PubMed:9506952}.

Target Details

Molecular Weight:	56.8 kDa
UniProt:	P30419
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months