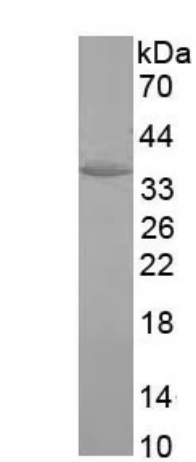
Active N-Myristoyltransferase 1 (NMT1)

Catalog#:PEH12956

概述（Summary）

别称（Alternative Names）	Myristoyl-CoA:protein N-myristoyltransferase 1; Glycylpeptide N-tetradecanoyltransferase 1
纯度（Purity）	Greater than 90% as determined by reducing SDS-PAGE.
内毒素（Endotoxin level）	Please contact with the lab for this information
蛋白构建（Construction）	【Met1-Leu222】
Accession #	P30419
表达宿主（Host）	E.coli
种属（Species）	Homo sapiens (Human)
预测分子量（Predicted MW）	28.8 kDa
制剂（Form）	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
运输方式（Shipping）	The product is shipped with ice bag. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存（Stability &Storage）	12 months at -20°C to -80°C in lyophilized state.6 months at -20°C to -80°C under sterile conditions after reconstitution.7-10 days at 2°C to 8°C under sterile conditions after reconstitution.Please minimize freeze-thaw cycles.
复溶（Reconstitution）	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
背景介绍（References）	Adds a myristoyl group to the N-terminal glycine residue of certain cellular and viral proteins.

电泳图（SDS-PAGE image）



Greater than 90% as determined by reducing SDS-PAGE.

活性图（Bioactivity image）

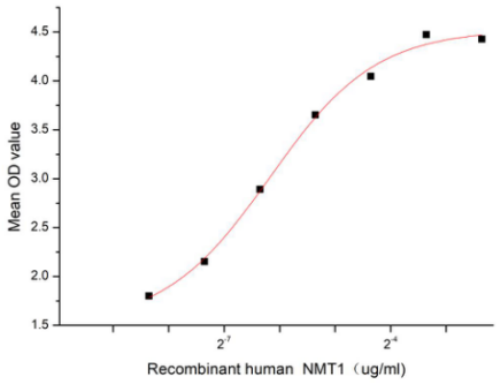


Figure 1. The binding activity of recombinant human NMT1 and recombinant human CASP3

N-Myristoyltransferase 1 (NMT1) is an indispensable eukaryotic enzyme that belongs to the NMT family. NMT1 can catalyses the transfer of myristoyl groups to the amino acid terminal residues of numerous proteins. This catalytic process is required for the growth and development of many eukaryotes and viruses. Furthermore, it is recognized that N-myristoylation can also occur posttranslationally on an internal glycine exposed by caspase cleavage during apoptosis. Thus a functional binding ELISA assay was conducted to detect the interaction of recombinant human NMT1 and recombinant human CASP3. Briefly, biotin-linked NMT1 were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100 ul were then transferred to CASP3-coated microtiter wells and incubated for 1h at 37℃. Wells were washed with PBST 3 times and incubation with Streptavidin-HRP for 30min, then wells were aspirated and washed 5 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37℃. Finally, add 50 µl stop solution to the wells and read at 450 nm immediately. The binding activity of recombinant human NMT1 and recombinant human CASP3 was shown in Figure 1, the EC50 for this effect is 0.01 ug/mL.

注意事项（Note）

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