

Cynomolgus NMT1 Protein

Cat. No. NMT-CE101



Description	
Source	Recombinant Cynomolgus NMT1 Protein is expressed from E.coli with His tag at the N-terminus. It contains Met81-Gln496.
Accession	A0A2K5VEF7
Molecular Weight	The protein has a predicted MW of 49.16 kDa same as Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background	
N-myristoyltransferase 1 (NMT1) is an indispensable eukaryotic enzyme that 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. Elevated expression and activity of NMT1 is observed to varying degrees in a variety of tumour types (e.g. colon, lung and breast tumours). Furthermore, an elevated level of NMT1 in tumours is associated with poor survival. Therefore, a relationship exists between NMT1 and tumours.	

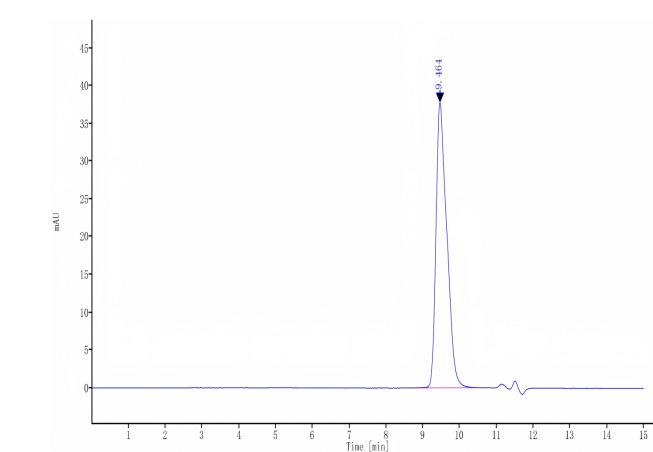
Assay Data

Bis-Tris PAGE



Cynomolgus NMT1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Cynomolgus NMT1 is greater than 95% as determined by SEC-HPLC.

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Assay Data

Bioactivity Data

Measured in A fluorescence-based N-myristoyltransferase activity assay. The specific activity is >25 pmol/min/μg.