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## NMNAT1 Protein (AA 1-279) (His tag)



#### Overview

Quantity:	10 µg
Target:	NMNAT1
Protein Characteristics:	AA 1-279
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This NMNAT1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

#### **Product Details**

Cross-Reactivity:	Human
Characteristics:	Human full-length NMNAT1 (aa 1-279) is fused at the N-terminus to a His-tag.
Purity:	>95 % (SDS-PAGE)

## Target Details

Target:	NMNAT1
Alternative Name:	NMNAT1 (NMNAT1 Products)
Background:	Nuclear NMNAT isoform. Catalyzes the formation of NAD+ from nicotinamide mononucleotide
	(NMN) and ATP. It can also use the deamidated form of nicotinic acid mononucleotide (NAMN)

## **Target Details**

	as substrate with the same efficiency. Interacts with PARP-1/ARTD1. Protects against axonal degeneration following mechanical or toxic insults. Widely expressed.
Molecular Weight:	~33.3kDa (monomer)
UniProt:	Q9HAN9

## **Application Details**

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	>5U/mg protein. One unit is defined as the amount of enzyme that synthesizes 1µmol of NAD+ per min.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	In 50 mM sodium phosphate, pH 8.0, containing 300 mM sodium chloride, 2 mM DTT and 10 $\%$ glycerol.
Preservative:	Dithiothreitol (DTT)
Precaution of Use:	This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Working aliquots are stable for up to 3 months when stored at -20°C.