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Datasheet for ABIN5564378
NMNAT2 Protein (AA 2-307) (His tag)

Overview

Quantity:	10 µg
Target:	NMNAT2
Protein Characteristics:	AA 2-307
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This NMNAT2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Cross-Reactivity:	Human
Characteristics:	Human NMNA2 (aa 2-307) is fused at the N-terminus to a His-tag.
Purity:	>90 % (SDS-PAGE)

Target Details

Target:	NMNAT2
Alternative Name:	NMNAT2 (NMNAT2 Products)
Background:	Nicotinamide mononucleotide adenylyltransferase 2 (NMNAT2) catalyzes the formation of NAD ⁺ from nicotinamide mononucleotide (NMN) and ATP. Can also use the deamidated form nicotinic acid mononucleotide (NaMN) as a substrate but with lower efficiency. NMNAT2 also catalyzes the reverse reaction, i.e. the pyrophosphorolytic cleavage of NAD ⁺ . It is highly

Target Details

expressed in brain, in particular in cerebrum, cerebellum, occipital lobe, frontal lobe, temporal lobe and putamen. NMNAT2 is also found in the heart, skeletal muscle, pancreas and islets of Langerhans. NMNAT2 is essential for axon growth and survival. Its loss from injured axons may activate Wallerian degeneration (axon degeneration induced by nerve injury), whereas NMNAT overexpression rescues axons from degeneration.

Molecular Weight: ~35kDa (SDS-PAGE)

UniProt: [Q9BZQ4](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Solid

Concentration: Lot specific

Buffer: Lyophilized in 55 mM TRIS-Cl, pH 8.2, containing 150 mM NaCl plus 0.025 % CHAPS.

Storage: 4 °C, -20 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C
Stable for at least 6 months after receipt when stored at -20°C.

Expiry Date: 6 months