



Native NAD Synthetase (DAG-WT1301)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	One unit is defined as the amount of enzyme which converts 1 μ mole of deamido-NAD to NAD ⁺ per minute at 37°C under the conditions specified in the assay procedure.
Conjugate	N/A
Applications	Enzymatic determination
Molecular Weight	25 kDa
Format	Lyophilized
Size	1 KU
Buffer	Enzyme dilution buffer
Storage	Store at -20°C

BACKGROUND

Introduction	NAD ⁺ synthase belongs to the family of ligases, specifically those forming carbon-nitrogen bonds as acid-D-ammonia (or amine) ligases (amide synthases). The systematic name of this enzyme class is deamido-NAD ⁺ :ammonia ligase (AMP-forming). Other names in common use include NAD ⁺ synthetase, NAD ⁺ synthase, nicotinamide adenine dinucleotide synthetase, and diphosphopyridine nucleotide synthetase. This enzyme participates in nicotinate and nicotinamide metabolism and nitrogen metabolism.
Keywords	NAD Synthetase; NAD ⁺ synthase