

Active Native NAD synthase

Cat. No. NADS-33 Lot. No. (See product label)

SPECIFICATION

Product Overview	Native NAD synthase (EC 6.3.1.5) was purified from <i>Bacillus stearothermophilus</i> .
Species	<i>Bacillus stearothermophilus</i>
Source	<i>Bacillus stearothermophilus</i>
Description	In enzymology, a NAD ⁺ synthase (EC 6.3.1.5) is an enzyme that catalyzes the chemical reaction ATP + deamido-NAD ⁺ + NH ₃ → AMP + diphosphate + NAD ⁺ . The 3 substrates of this enzyme are ATP, deamido-NAD ⁺ , and NH ₃ , whereas its 3 products are AMP, diphosphate, and NAD ⁺ .
Form	White lyophilized powder.
Bio-activity	≥1.00 U/mg
Storage	Store in tightly closed containers, desiccated, protected from light, at -20°C.

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