

## NAD<sup>+</sup> synthase (glutamine-hydrolysing)

Cat. No. EXWM-5802

Lot. No. (See product label)

### Introduction

#### Description

NH<sub>3</sub> can act instead of glutamine (cf. EC 6.3.1.5 NAD<sup>+</sup> synthase).

#### Synonyms

NAD synthetase (glutamine-hydrolysing); nicotinamide adenine dinucleotide synthetase (glutamine); desamidonicotinamide adenine dinucleotide amidotransferase; DPN synthetase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 6.3.5.1

#### CAS No.

37318-70-0

#### Reaction

ATP + deamido-NAD<sup>+</sup> + L-glutamine + H<sub>2</sub>O = AMP + diphosphate + NAD<sup>+</sup> + L-glutamate

#### Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

### Storage and Shipping Information

#### Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.