

cystine reductase

Cat. No. EXWM-1650

Lot. No. (See product label)

Introduction

Description

This enzyme belongs to the family of oxidoreductases, specifically those acting on a sulfur group of donors with NAD⁺ or NADP⁺ as acceptor. The systematic name of this enzyme class is L-cystine:NAD⁺ oxidoreductase. Other names in common use include cystine reductase (NADH), NADH-dependent cystine reductase, cystine reductase (NADH₂), and NADH₂:L-cystine oxidoreductase. This enzyme participates in cysteine metabolism.

Synonyms

cystine reductase (NADH); NADH-dependent cystine reductase; cystine reductase (NADH₂); NADH₂:L-cystine oxidoreductase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.8.1.6

CAS No.

9029-18-9

Reaction

2 L-cystine + NAD⁺ = L-cystine + NADH + H⁺

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.