

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-cysteine: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-cysteine + 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.