Creative Enzymes®

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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.