Creative Enzymes®

CoA-disulfide reductase

Cat. No. EXWM-1640

Lot. No. (See product label)

Introduction

Description	A flavoprotein. Not identical with EC 1.8.1.6 (cystine reductase), EC 1.8.1.7 (glutathione-disulfide reductase) or EC 1.8.1.13 (bis-γ-glutamylcystine reductase). The enzyme from the bacterium Staphylococcus aureus has a strong preference for NADPH, while the bacterium Bacillus megaterium contains both NADH and NADPH-dependent enzymes.
Synonyms	CoA-disulfide reductase (NADH2); NADH2:CoA-disulfide oxidoreductase; CoA:NAD+ oxidoreductase (misleading); CoADR; coenzyme A disulfide reductase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.8.1.14
CAS No.	206770-55-0
Reaction	2 CoA + NADP+ = CoA-disulfide + NADPH + 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 ℃.