

## 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 (NADH<sub>2</sub>); NADH<sub>2</sub>:CoA-disulfide oxidoreductase; CoA:NAD<sup>+</sup> 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**  $2 \text{ CoA} + \text{NADP}^+ = \text{CoA-disulfide} + \text{NADPH} + \text{H}^+$

**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.