

## ferric-chelate reductase [NAD(P)H]

Cat. No. EXWM-1066

Lot. No. (See product label)

### Introduction

#### Description

A flavoprotein. The enzyme catalyses the reduction of bound ferric iron in a variety of iron chelators (siderophores), resulting in the release of ferrous iron. The enzyme from the hyperthermophilic archaeon *Archaeoglobus fulgidus* is not active with uncomplexed Fe(III). cf. EC 1.16.1.7, ferric-chelate reductase (NADH) and EC 1.16.1.9, ferric-chelate reductase (NADPH).

#### Synonyms

ferric reductase (ambiguous)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.16.1.10

#### Reaction

$2 \text{ Fe(II)-siderophore} + \text{NAD(P)}^+ + \text{H}^+ = 2 \text{ Fe(III)-siderophore} + \text{NAD(P)H}$

#### 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.