Creative Enzymes®

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 Fe(II)-siderophore + NAD(P)+ + H+ = 2 Fe(III)-siderophore + 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.