Creative Enzymes®

glyceraldehyde dehydrogenase (FAD-containing)

Cat. No. EXWM-1236

Lot. No. (See product label)

Introduction

Description	The enzyme from the archaeon Sulfolobus acidocaldarius catalyses the oxidation of D-glyceraldehyde in the nonphosphorylative Entner-Doudoroff pathway. With 2,6-dichlorophenolindophenol as artificial electron acceptor, the enzyme shows a broad substrate range, but is most active with D-glyceraldehyde. It is not known which acceptor is utilized in vivo. The iron-sulfur protein contains FAD and molybdopterin guanine dinucleotide.
Synonyms	glyceraldehyde oxidoreductase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.2.99.8
Reaction	D-glyceraldehyde + H2O + acceptor = D-glycerate + reduced acceptor
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 ℃.