

isocitrate-homoisocitrate dehydrogenase

Cat. No. EXWM-0194

Lot. No. (See product label)

Introduction

Description Requires Mn2+ and K+ or NH4+ for activity. Unlike EC 1.1.1.41, isocitrate

dehydrogenase (NAD+) and EC 1.1.1.87, homoisocitrate dehydrogenase, this enzyme, from Pyrococcus horikoshii, can use both isocitrate and homoisocitrate as

substrates. The enzyme may play a role in both the lysine and glutamate

biosynthesis pathways.

Synonyms homoisocitrate-isocitrate dehydrogenase; PH1722

Product Information

Form Liquid or lyophilized powder

EC Number EC 1.1.1.286

Reaction (1) isocitrate + NAD+ = 2-oxoglutarate + CO2 + NADH; (2) (1R,2S)-1-

hydroxybutane-1,2,4-tricarboxylate + NAD+ = 2-oxoadipate + CO2 + NADH + H+

1/1

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

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.

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