Creative Enzymes®

Recombinant Mycobacterium tuberculosis Enoyl-[acyl-carrier-protein] reductase [NADH]

Cat. No. EXWM-1359

Lot. No. (See product label)

Introduction

Description	The enzyme catalyses an essential step in fatty acid biosynthesis, the reduction of the 2,3-double bond in enoyl-acyl-[acyl-carrier-protein] derivatives of the elongating fatty acid moiety. The enzyme from the bacterium Escherichia coli accepts substrates with carbon chain length from 4 to 18. The enzyme from the bacterium Mycobacterium tuberculosis prefers substrates with carbon chain length from 12 to 24 carbons.

Product Information

Species	Mycobacterium tuberculosis
Source	E.coli
Form	Liquid or Lyophilized powder
EC Number	EC 1.3.1.9
CAS No.	37251-08-4
Molecular Weight	32.6 kDa
Purity	Greater than 90% as determined by SDS-PAGE.
Activity	Not detected
Buffer	Tris-based buffer, 50% glycerol
Reaction	an acyl-[acyl-carrier protein] + NAD+ = a trans-2,3-dehydroacyl-[acyl-carrier protein] + NADH + 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 at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.