

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

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|-------------------------|--|
| 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.