

Recombinant *P. putida* fdhA Protein, His-tagged

Cat. No. fdhA-186P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active recombinant full-length <i>P. putida</i> fdhA Protein (S2-A399) with a N-terminal His tag was expressed in <i>E. coli</i> .
Species	<i>P.putida</i>
Source	<i>E.coli</i>
Description	Formaldehyde dehydrogenase (FDH) is a zinc-containing metalloenzyme that catalyzes the oxidation of formaldehyde to formate. <i>P. putida</i> FDH is an NAD-dependent enzyme that is a member of the class III alcohol dehydrogenase family.
Molecular Mass	44.6 kDa
Purity	≥95% estimated by SDS-PAGE
Unit Definition	One unit is defined as the amount of enzyme required to produce 1 μmole of NADH per minute at 25 centigrade in 50 mM potassium phosphate, pH 7.5, containing 200 μM formaldehyde.
Stability	≥ 6 months
Storage	At -80 centigrade.

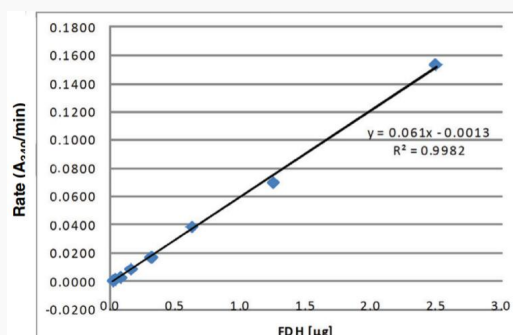
GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

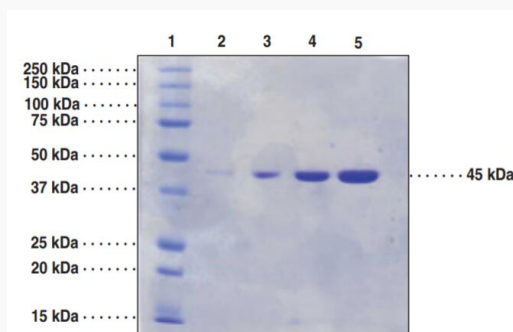
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	fdhA formaldehyde dehydrogenase, glutathione-independent [<i>Pseudomonas monteilii</i>]
Official Symbol	fdhA
Synonyms	fdhA; formaldehyde dehydrogenase, glutathione-independent; formaldehyde dehydrogenase, glutathione-independent; EC 1.2.1.46
Gene ID	49866468
Protein Refseq	WP_003255673
UniProt ID	I3UWG9



SDS-PAGE Analysis of FDH



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Lane 1: MW Markers

Lane 2: Purified FDH (1 µg)

Lane 3: Purified FDH (2 µg)

Lane 4: Purified FDH (5 µg)

Lane 5: Purified FDH (10 µg)

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