

Recombinant E. coli, D-lactate Dehydrogenase
ECK1377, hslF, hslI, htpH, JW1375, IdhA
Catalog # PBV11533r**Specification**

Recombinant E. coli, D-lactate Dehydrogenase - Product info

Primary Accession [P52643](#)
Calculated MW **39.1 kDa** KDa

Recombinant E. coli, D-lactate Dehydrogenase - Additional Info

Gene ID **946315**

Other Names

ECK1377, hslF, hslI, htpH, JW1375

Gene Source

E. coli

Source

E. coli

Assay&Purity

SDS-PAGE;> 95%

Recombinant

Yes

Sequence

**MGSSHHHHHH SSGLVPRGSH MATLKEKLI
PVAEEEEATVP NNKITVVGVG QVGMACAISI
LGKSLADELA LVDVLEDKLK GEMMDLQHGS
LFLQTPKIVA DKDYSVTANS KIVVVTAGVR
QQEGESRLNL VQRNVNVFKF IIPQIVKYSP
DCIIIVVSNP VDILTYVTWK LSGLPKHRVI
GSGCNLDSAR FRYLMAEKLK IHPSSCHGWI
LGEHGDSSVA VWSGVNVAGV SLQELNPEMG
TDNDSSENWKE VHKMVVESAY EVIKLKGYTN
WAIGLSVADL IESMLKNLSR IHPVSTMVKG
MYGIENEVFL SLPCILNARG LTSVINQKLK
DDEVAQLKKS ADTLWDIQKD LKDL**

Target/Specificity

IdhA

Format

Liquid

Storage

-20°C;In 20 mM Tris-HCl buffer, pH8.0, 10% glycerol, 100mM NaCl

Recombinant E. coli, D-lactate Dehydrogenase - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Recombinant E. coli, D-lactate Dehydrogenase - Images

Recombinant E. coli, D-lactate Dehydrogenase - Background

Idha, also known as D-lactate dehydrogenase, belongs to the D-isomer specific 2-hydroxyacid dehydrogenase family. In enzymology, a D-lactate dehydrogenase (cytochrome) is an enzyme that catalyzes the chemical reaction. Thus, the two substrates of this enzyme are (D)-lactate and ferricytochrome c, whereas its two products are pyruvate and ferrocytochrome c. Recombinant E.coli IdhA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.