

## Product datasheet for **AR50387PU-S**

### IldD (1-396, His-tag) Escherichia coli Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	IldD (1-396, His-tag) recombinant protein, 20 µg
<b>Species:</b>	Escherichia coli
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MGSMMIISAA SDYRAAAQRI LPPFLFHYMD GGAYSEYTLR RNVEDLSEVA LRQRILKNMS DLSLETTLFN EKLSMPVALA PVGLCGMYAR RGEVQAAKAA DAHGIPFTLS TVSVCPIEEV APAIKRPMWF QLYVLRDRGF MRNALERAKA AGCSTLVFTV DMPTPGARYR DAHSGMSGPN AAMRRYLQAV THPQWAWDVG LNRPDHLGN ISAYLGKPTG LEDYIGWLGN NFDPSISWKD LEWIRDFWDG PMVIKGILDP EDARDAVRFG ADGIVSNHG GRQLDGVLS ARALPAIADA VKGDIAILAD SGIRNGLDVV RMIALGADTV LLGRAFLYAL ATAGQAGVAN LLNLIEKEMK VAMTLTGAKS ISEITQDSLV QGLGKELPAA LAPMAKGNAA
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	45.3 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>90% by SDS - PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1 mM DTT
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant E.coli IldD protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Summary:</b>	IldD, also known as L-lactate dehydrogenase, is present in a wide variety of organisms, including plants and animals. It is an oxidoreductase which catalyses the interconversion of pyruvate and lactate with concomitant interconversion of NADH and NAD <sup>+</sup> . As it can also catalyze the oxidation of hydroxybutyrate, it is occasionally called Hydroxybutyrate Dehydrogenase (HBD).



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Product images:

