

Active Recombinant Entamoeba histolytica ADH1 protein, His-tagged

Cat. No. ADH1-156 Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Entamoeba histolytica ADH1 fused with His tag at N-terminal was expressed in E. coli.
Species	Entamoeba Histolytica
Source	E.coli
ProteinLength	360 amino acids
Description	Alcohol dehydrogenase with a preference for medium chain secondary alcohols, such as 2-butanol and isopropanol. Has very low activity with primary alcohols, such as ethanol. Under physiological conditions, the enzyme reduces aldehydes and 2-ketones to produce secondary alcohols. Is also active with acetaldehyde and propionaldehyde.
Form	1 mg/mL solution in 50 mM Tris-HCl buffer (pH 8.0) containing 100 mM NaCl and 50% glycerol
Bio-activity	This NADP-dependent isopropanol dehydrogenase has biological activity $\geq 60\text{U/mg}$.
Molecular Mass	~40.9 kDa
Purity	Purity by SDS-PAGE: $\geq 95\%$

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Unit Definition	One unit is the amount of enzyme that will generate 1.0 μ mole of NADPH per minute at pH 8 at 37 °C.
Notes	Centrifuge the vial prior to opening
Storage	Storage at -20 centigrade

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