

Datasheet for ABIN935073

Alcohol Dehydrogenase (ADH) (AA 1-325) Protein[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Alcohol Dehydrogenase (ADH)
Protein Characteristics:	AA 1-325
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MAASCVLLHT GQKMPLIGLG TWKSEPGQVK AAVKYALSVG YRHIDCAAIY GNEPEIGEAL KEDVGPGKAV PREELFVTSK LWNTKHHPED VEPALRKTLA DLQLEYLDLY LMHWPYAFER GDNPFKPNAD GTICYDSTHY KETWKALEAL VAKGLVQALG LSNFNSRQID DILSVASVRP AVLQVECHPY LAQNELIAHC QARGLEVTAY SPLGSSDRAW RDPDEPVLL EEPVVLALAEK YGRSPAQILL RWQVQRKVIC IPKSITPSRI LQNIKVDFDT FSPEEMKQLN ALNKNWRYIV PMLTVDGKRV PRDAGHPLYP FNDPY
Characteristics:	Purified recombinant Human Alcohol dehydrogenase protein Expression System: E.coli
Purity:	> 90 % pure

Target Details

Target:	Alcohol Dehydrogenase (ADH)
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Target Details

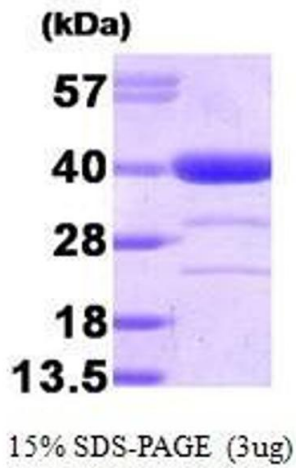
Alternative Name:	Alcohol dehydrogenase (ADH Products)
Background:	<p>Alcohol dehydrogenase [NADP+] (AKR1A1) is a member of the aldo/keto reductase superfamily and catalyzes the NADPH-dependent reduction of a variety of aromatic and aliphatic aldehydes to their corresponding alcohols. This protein is closely related (65 % identity) to aldose reductase, an enzyme involved in the pathogenesis of some diabetic and galactosemic complications. It plays a role in the activation of procarcinogens, such as polycyclic aromatic hydrocarbon trans-dihydrodiols, and in the metabolism of various xenobiotics and drugs, including the anthracyclines doxorubicin (DOX) and daunorubicin (DAUN). Recombinant human Alcohol dehydrogenase was expressed in <i>E. coli</i> and purified by using conventional chromatography techniques.</p> <p>Alternative Names: ALDR1 protein, Alcohol dehydrogenase [NADP+] Alcohol dehydrogenase protein, Aldehyde reductase protein, AKR1A1 protein, ARM protein, aldo-keto reductase family 1 member A1 (aldehyde reductase), ALR protein, DD3 protein</p>
Molecular Weight:	36.5 kDa (325 AA)

Application Details

Application Notes:	Alcohol dehydrogenase protein has been used in SDS PAGE and may be suitable for use in other assays to be determined by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Supplied as a liquid in 20 mM Tris-HCl buffer, pH 8.0, containing 50 mM NaCl and 10 % glycerol.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	RT/-20 °C
Storage Comment:	Store at 4 °C for short term storage (1/2 weeks). Aliquot and store at -20 °C or -70 °C for long term storage.



SDS-PAGE

Image 1. Figure annotation denotes ug of protein loaded and % gel used.