ALDH

Cat. No.:	HY-P2947		
CAS No.:	9028-88-0		
Target:	Aldehyde Dehydrogenase (ALDH)		
Pathway:	Metabolic E	nzyme/Pr	otease
Storage:	Powder In solvent	-20°C -80°C	3 years 6 months
		-20°C	1 month

SOLVENT & SOLUBILITY

In Vitro	$H_2O: \ge 20 \text{ mg/mL}$
	* "≥" means soluble, but saturation unknown.

DIOLOGICAL ACTIV			
Description	ALDH (Aldehyde dehydrogenase (NAD(P))) catalyzes the oxidation of aldehydes into their corresponding carboxylic acids with the concomitant reduction of the cofactor NAD(P) into NAD(P)H, is often used in biochemical studies. The ALDHs are one of many enzyme systems the body utilizes to alleviate aldehyde stress ^[1] .		
In Vitro	Purpose: 1. Disease diagnosis: can be used to quantify acetaldehyde in blood. 2. Development of anti-hangover products: Acetaldehyde dehydrogenase and alcohol dehydrogenase can be used together to make up for the lack of enzymes in the human body and reduce the har M of alcohol to the body.		
	Molecular Weight: 58 kDa. Purity: >95%(by SDS-PAGE). MCE has not independently confirmed the accuracy of these methods. They are for reference only.		

REFERENCES

[1]. Hayes K, et al. The quaternary structure of Thermus thermophilus aldehyde dehydrogenase is stabilized by an evolutionary distinct C-terminal arm extension. Sci Rep. 2018 Sep 6;8(1):13327.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA

Product Data Sheet

Aldehyde dehydrogenase (NAD(P))

