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#### Datasheet for ABIN7504973

## ALDH1A2 Protein (AA 27-518)



#### Overview

Quantity:	100 μg
Target:	ALDH1A2
Protein Characteristics:	AA 27-518
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

#### **Product Details**

Sequence:	Pro27-Ser518
Characteristics:	A DNA sequence encoding the Human ALDH1A2 protein (094788) (27P-518S) was expressed with a polyhistidine tag at the N/C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

### Target Details

Target:	ALDH1A2
Alternative Name:	ALDH1A2 (ALDH1A2 Products)
Background:	Abbreviation: ALDH1A2
	Target Synonym: AL1A2,Aldehyde dehydrogenase family 1 member
	A2,AV116159,MGC26444,RALDH 2,RALDH(II),Retinal dehydrogenase 2
	Background: Recognizes as substrates free retinal and cellular retinol-binding protein-bound
	retinal. Does metabolize octanal and decanal but does not metabolize citral, benzaldehyde,

Target Details	
	acetaldehyde and propanal efficiently.
Molecular Weight:	Calculated MW: 58.8 kDa
	Observed MW: 50 kDa
UniProt:	094788
Pathways:	Retinoic Acid Receptor Signaling Pathway
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4., 5 % trehalose, 5 % mannitol, 0.01 % tween-80.
	Normally 5 $\%$ - 8 $\%$ trehalose, mannitol and 0.01 $\%$ Tween80 are added as protectants before
	lyophilization.

Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.

Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted

4 °C,-20 °C,-80 °C

12 months

samples are stable at < -20°C for 3 months.

Storage:

Expiry Date:

Storage Comment: