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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 (O94788) (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 ( <a href="#">ALDH1A2 Products</a> )
Background:	<p>Background: Recognizes as substrates free retinal and cellular retinol-binding protein-bound retinal. Does metabolize octanal and decanal but does not metabolize citral, benzaldehyde, acetaldehyde and propanal efficiently.</p> <p>Synonym: AL1A2,Aldehyde dehydrogenase family 1 member A2,AV116159,MGC26444,RALDH 2,RALDH(II),Retinal dehydrogenase 2</p>

### Target Details

Molecular Weight:	58.8 kDa
UniProt:	<a href="#">O94788</a>
Pathways:	<a href="#">Retinoic Acid Receptor Signaling Pathway</a>

### Application Details

Restrictions:	For Research Use only
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### Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4., 5 % trehalose, 5 % mannitol, 0.01 % tween-80.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	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 samples are stable at < -20°C for 3 months.
Expiry Date:	12 months