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Datasheet for ABIN7319278
ALDH3A1 Protein (His tag)

Overview

Quantity:	50 µg
Target:	ALDH3A1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ALDH3A1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human ALDH3A1 Protein (Human Cells, His Tag)
Sequence:	Met 1-His453
Characteristics:	Recombinant Human Aldehyde dehydrogenase family 3 member A1 is produced by our Mammalian expression system and the target gene encoding Met1-His453 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	ALDH3A1
Alternative Name:	ALDH3A1 (ALDH3A1 Products)
Background:	Background: Aldehyde dehydrogenase, dimeric NADP-preferring is an enzyme that in humans is encoded by the ALDH3A1 gene, belongs to the aldehyde dehydrogenase family. ALDHs play a

Target Details

major role in the detoxification of alcohol-derived acetaldehyde. They are involved in the metabolism of corticosteroids, biogenic amines, neurotransmitters, and lipid peroxidation. This protein preferentially oxidizes aromatic aldehyde substrates. It may play a role in the oxidation of toxic aldehydes.

Synonym: Aldehyde dehydrogenase, dimeric NADP-preferring,ALDH3,ALDH3A1,Aldehyde dehydrogenase family 3 member A1,Aldehyde dehydrogenase 3,ALDHIII,ALDH3A10

Molecular Weight: 51.4 kDa

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

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.