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Datasheet for ABIN7319705 **ALDH1A3 Protein (His tag)**

Overview

Quantity:	50 µg
Target:	ALDH1A3
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ALDH1A3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human ALDH1A3 Protein (His Tag)
Sequence:	Met1-Pro512
Characteristics:	Recombinant Human ALDH1A3 is produced by our E.coli expression system and the target gene encoding Met1-Pro512 is expressed with a 6His tag at the N-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:	ALDH1A3
Alternative Name:	ALDH1A3 (ALDH1A3 Products)
Background:	Background: Aldehyde dehydrogenase 1 family member A3 (ALDH1A3), also known as retinaldehyde dehydrogenase 3 (RALDH3), is a member of the aldehyde dehydrogenase family known to metabolize a wide variety of aldehydes. ALDH1A3 specifically oxidizes retinal to

Target Details

retinoic acid (RA) and is differentially expressed in developing embryonic tissues and adult organs. The RA produced by ALDH1A3 in rodents contributes to the development of skin and hair follicles, brain, tooth buds, lungs, olfactory bulbs, kidneys, eyes, skeletal muscle and seminal vesicles. In recent research, ALDH1A3 could be as a marker of cancer stem cell to predict metastasis or clinical prognosis in many cancers.

Synonym: Aldehyde dehydrogenase family 1 member A3, ALDH1A3, Aldehyde dehydrogenase 6, Retinaldehyde dehydrogenase 3, RALDH-3, ALDH6,ALDH1A6,MCOP8,RALDH3

Molecular Weight:	57.5 kDa
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UniProt:	P47895
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Pathways:	Retinoic Acid Receptor Signaling Pathway
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Application Details

Restrictions:	For Research Use only
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Handling

Format:	Frozen, Liquid
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Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl,150 mMNaCl, pH 7.5,20 % Glycerol.
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Storage:	-20 °C
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Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
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