

ALDH3A1 抗原（重组蛋白）

中文名称：ALDH3A1 抗原（重组蛋白）

英文名称：ALDH3A1 Antigen (Recombinant Protein)

别名：aldehyde dehydrogenase 3 family, member A1; ALDH3; ALDHIII

储存：冷冻（-20℃）

相关类别：抗原

概述：

Fusion protein corresponding to C terminal 300 amino acids of human ALDH3A1

技术规格：

Full name:	aldehyde dehydrogenase 3 family, member A1
Synonyms:	ALDH3; ALDHIII
Swissprot:	P30838
Gene Accession:	BC004370
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	Aldehyde dehydrogenases oxidize various aldehydes to the corresponding acids. They are involved in the detoxification of alcohol-derived acetaldehyde and in the metabolism of corticosteroids, biogenic amines, neurotransmitters, and lipid peroxidation. The enzyme encoded by this gene forms a cytoplasmic homodimer that preferentially oxidizes aromatic and medium-chain (6 carbons or more) saturated and unsaturated aldehyde substrates. It is thought to promote r

resistance to UV and 4-hydroxy-2-nonenal-induced oxidative damage in the cornea. The gene is located within the Smith-Magenis syndrome region on chromosome 17. Multiple alternatively spliced variants, encoding the same protein, have been identified.