

ALDH1A1/ALDH1A2/ALDH1A3 抗原（重组蛋白）

中文名称：ALDH1A1/ALDH1A2/ALDH1A3 抗原（重组蛋白）

英文名称：ALDH1A1/ALDH1A2/ALDH1A3 Antigen (Recombinant Protein)

储存：冷冻（-20℃）

相关类别：抗原

概述

Fusion protein corresponding to C terminal 290 amino acids of human ALDH1A1/ALDH1A2/ALDH1A3

技术规格

Full name:	Aldehyde dehydrogenase 1 family, member A1/2/3
Synonyms:	ALDC, ALDH1, PUMB1, ALDH11, RALDH1, ALDH-E1; RALDH2, RALDH2-T, RALDH(II); ALDH6, RALDH3, ALDH1A6
Swissprot:	P00352/O94788/P47895
Gene Accession:	BC001505/BC030589/BC069274
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	This protein belongs to the aldehyde dehydrogenase family of proteins. The product of this gene is an enzyme that catalyzes the synthesis of retinoic acid (RA) from retinaldehyde. Retinoic acid, the active derivative of vitamin A (retinol), is a hormonal signaling molecule that functions in developing and adult tissues. The studies of a similar mouse gene suggest that this enzyme and the cytochrome CYP26A1, currently establish local embryonic retinoic acid levels which facilitate p

osterior organ development and prevent spina bifida. Four transcript variants encoding distinct isoforms have been identified for this gene.