

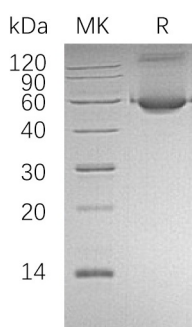
Product Name: Recombinant Human ALDH1A1 (N-6His)
Catalog #: PEH0033



概述 (Summary)

英文全称	ALDH1A1/Aldehyde Dehydrogenase 1-A1
纯度 (Purity)	Greater than 95% as determined by reducing SDS-PAGE
内毒素 (Endotoxin level)	<1 EU/μg as determined by LAL test.
蛋白构建 (Construction)	Recombinant Human Aldehyde Dehydrogenase Family 1 Member A1 is produced by our E.coli expression system and the target gene encoding Met1-Ser501 is expressed with a 6His tag at the N-terminus.
Accession #	P00352
蛋白标签 (Tag)	
表达宿主 (Host)	E.coli
种属 (Species)	Human
预测分子量 (Predicted MW)	57 KDa
蛋白形态 (Form)	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 20% Glycerol, 1mM DTT, pH 8.0.
储存缓冲液 (Buffer)	
运输方式 (Shipping)	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存 (Stability &Storage)	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
复溶 (Reconstitution)	

电泳图 (SDS-PAGE image)



背景 (Background)

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分子别名 (Alternative Names)

Retinal Dehydrogenase 1; RALDH 1; RaLDH1; ALDH-E1; ALHDII; Aldehyde Dehydrogenase Family 1 Member A1; Aldehyde Dehydrogenase Cytosolic; ALDH1A1; ALDC; ALDH1; PUMB1

背景介绍 (References)

Aldehyde Dehydrogenase Family 1 Member A1 (ALDH1A1) is a cytoplasmic enzyme that belongs to the Aldehyde Dehydrogenase family. ALDH1A1 is the second enzyme of the major oxidative pathway of alcohol metabolism. Two major liver isoforms of this enzyme, cytosolic and mitochondrial, can be distinguished by their electrophoretic mobilities, kinetic properties and subcellular localizations. ALDH1A1 is the main cytosolic isoform, which has a lower affinity for aldehydes than the mitochondrial enzyme. ALDH1A1 binds free retinal and cellular retinol-binding protein-bound retinal. It can convert/oxidize retinaldehyde to retinoic acid.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.