

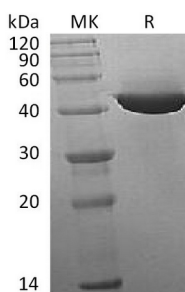
Product Name: Recombinant Human IDH1 (C-8His)
Catalog #: PEH1019



概述 (Summary)

英文全称	Isocitrate Dehydrogenase 1/IDH1
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 Isocitrate Dehydrogenase [NADP] Cytoplasmic is produced by our E.coli expression system and the target gene encoding Met1-Leu414 is expressed with a 8His tag at the C-terminus.
Accession #	O75874
蛋白标签 (Tag)	
表达宿主 (Host)	E.coli
种属 (Species)	Human
预测分子量 (Predicted MW)	48.1 KDa
蛋白形态 (Form)	Supplied as a 0.2 μm filtered solution of 50mM Tris-HCl, 200mM NaCl, 10% Glycerol, 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)

分子别名 (Alternative Names)	Isocitrate Dehydrogenase [NADP] Cytoplasmic; IDH; Cytosolic NADP-
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背景介绍 (References)

Isocitrate Dehydrogenase; IDP; NADP(+)-Specific ICDH; Oxalosuccinate Decarboxylase; IDH1; PICD

Isocitrate Dehydrogenase [NADP] Cytoplasmic (IDH1) belongs to the isocitrate and isopropylmalate dehydrogenases family. IDH1 exists as a homodimer, binding one magnesium or manganese ion per subunit. Mutations of IDH1 have been shown to cause metaphyseal chondromatosis with aciduria and are involved in the development of glioma IDH plays a role in the regeneration of NADPH for intraperoxisomal reductions, such as the conversion of 2, 4-dienoyl-CoAs to 3-enoyl-CoAs, as well as in peroxisomal reactions that consume 2-oxoglutarate, namely the α -hydroxylation of phytanic acid.

注意事项 (Note)

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