

本公司提供的电子版本说明书仅供参考，实验请以收到的纸质手册为准。

IDH1, 1-414aa, Human, His tag, E.coli

产品货号: TP02553

第三版

别名: Isocitrate dehydrogenase [NADP] cytoplasmic, IDCD, IDH, IDP, IDPC, PICD.

描述: IDH1, also known as isocitrate dehydrogenase (IDHC) cytoplasmic enzyme, belongs to the isocitrate and isopropylmalate dehydrogenases family. This protein catalyzes the third step of the citric acid cycle, which involves the oxidative decarboxylation of isocitrate, forming α -ketoglutarate and CO₂ in a two step reaction.

配方: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl, 1mM DTT, 0.1mM PMSF

分子量: 48.8 kDa (434aa), confirmed by MALDI-TOF

序列:

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MGSSHHHHHHSSGLVPRGSHMSKKISGGSVEMQGDEMTRIIWELIKEKLIFPYVELDLHSYDLGIENRDATNDQVTKDA  
AEAIAKKHNVGKCATITPDEKRVVEEFKLMQMWKSPNGTIRNIIIGGTVFREAIICKNIPRLVSGWVKPIIIIGRHAYGDQYRA  
TDFVVPGPVKVEITYTPSDGTQKVITYLVHNFEEGGVAMGMYNQDKSIEDFAHSSFQMALSKGWPLYLSTKNTILKKYD  
GRFKDIFQEIYDKQYKSQFEAQKIWYEHRLIDDMVAQAMKSEGGFIWACKNYDGDVQSDSVAQGYGSLGMMTSVLVCP  
DGKTVEAEAAHGTVTRHYRMYQKGQETSTNPIASIFAWTRGLAHRAKLDNNKELAFFANALEEVSIIETIEAGFMTKDLAA  
CIKGLPNVQRSYDLNTEFMDKLGLENLKIQLAQAKL
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纯度: > 95% by HPLC

浓度: 1.0 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.