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PYCR1, 1-319aa, Human, His tag, E.coli

产品货号: TP03607

第三版

别名: Pyrroline-5-carboxylate reductase 1, ARCL2B, P5C, P5CR, PIG45, PP222, PRO3

描述: PYCR1 is a universal housekeeping enzyme that catalyzes the NAD(P)H-dependent conversion of pyrroline-5-carboxylate to proline. This enzyme may also play a physiologic role in the generation of NADP(+) in some cell types. It forms a homopolymer and localizes to the mitochondrion. Defects in PYCR1 are the cause of cutis laxa autosomal recessive type 2B (ARCL2B).

配方: Liquid. In 20 mM Tris-HCl Buffer (pH 8.5) containing 10% Glycerol

分子量: 35.5 kDa(339aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHHSSGLVPRGSHMSVGFAGQLAFALAKGFTAAGVLAHAKIMASSPDMDLATVSALRKMVGLTPHNKE
TVQHSDVLFVAVKPHIIPFILDEIGADIEDRHIVVSCAAGVTISSIEKKLSAFRPAAPRVIRCMTNTPVVVREGATVYATGTHA
QVEDGRLMEQLLSSVGFCTEVEEDLIDAVTGLSGSGPAYAFTALDALADGGVKMGLPRRLAVRLGAQALLGAAKMLLHS
EQHPGQLKDNVSSPGGATIHVLESGGFRSLINAVEASCIRTELQSMADQEQVSPAAIKKTILDKVKLDSPAGTALSP
SGHTKLLPRSLAPAGKD

纯度: > 95% by HPLC

浓度: 0.5 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.