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PYCR2, 1-320aa, Human, His tag, E.coli

产品货号: TP03608

第三版

别名: Pyrroline-5-carboxylate reductase 2 isoform 1, P5CR2

描述: PYCR2 also known as pyrroline-5-carboxylate reductase 2 isoform 1, belongs to the pyrroline-5-carboxylate reductase family. This protein catalyzes the conversion of pyrroline-5-carboxylate to proline, which is the last step in proline biosynthesis. The 3 substrates of this enzyme are L-proline, NAD⁺, and NADP⁺, whereas its 4 products are 1-pyrroline-5-carboxylate, NADH, NADPH, and H⁺. Recombinant human PYCR2, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In phosphate buffered saline (pH7.4) containing 50% glycerol, 5mM DTT, 1mM EDTA.

分子量: 36kDa (343aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSMVGFAGQLAYALARGFTAAGILSAHKIIASSPEMNLPTVSALRKMGVNLTRSNK
ETVKHSDVLFVAVKPHIIPFILDEIGADVQARHIVVSCAAGVTISSVEKKLMAFQPAPKVIRCMTNTPVVVQEGATVYATG
THALVEDGQLLEQLMSSVGFCTEVEEDLIDAVTGLSGSGPAYAFM DALADGGVKMGLPRRLAIQLGAQALLGAAKML
LDSEQHPCQLKDNVCSPPGATIHALHFLESGGFRLLINAVEASCIRTRELQSMADQEKISPAALKKTL LDRVKLESPTVSTL
TPSSPGKLLTRSLALGGKGD

纯度: > 95% by HPLC

浓度: 0.25mg/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.