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PNP, 1-289aa, Human, His tag, E.coli

产品货号: TP03447

第三版

别名: Purine nucleoside phosphorylase, NP, Inosine phosphorylase, PRO1837, PUNP.

描述: PNP belongs to the PNP/MTAP phosphorylase family of proteins. This protein catalyzes the reversible phosphorolysis of ribonucleosides and 2' -deoxyribonucleosides with specificity for guanine, hypoxanthine and their analogs. PNP deficiency is a rare autosomal recessive genetic disease associated with a severe defect in Tlymphocyte function and neurologic disorder in children, comprising four percent of combined immunodeficiency cases.

配方: Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.1M NaCl, 2mM DTT, 10% glycerol

分子量: 34.2 kDa (309aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHHSSGLVPRGSHMENGTYEDYKNTAEWLLSHTKHRPQVAIICGSGLGGLTDKLTQAQIFDYGEIPNFPRS
TVPGHAGRLVFGFLNGRACVMMQGRFHMIEGYPLWKVTFPVRVFHLLGVDLTVVTNAAGLNPKEVGDIMLIRDHI
NLPGFSGQNPLRGPNDERFGDRFPAMSDAYDRTMRQALSTWKQMGEQRELQEGTYVMVAGPSFETVAECRVLQKLG
ADAVGMSTVPEVIVARHCGLRVFGFSLITNKVIMDYESLEKANHEEVLAAGKQAAQKLEQFVSILMASIPLPKAS

纯度: > 95% by HPLC

浓度: 1 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.