

本公司提供的电子版说明书仅供参考，实验请以收到的纸质手册为准。

HPRT, 1-218aa, Human, His-tag, E.coli (Bioactivity Validated)

产品货号: TP02496

第三版

别名:Hypoxanthine-guanine phosphoribosyltransferase, HGPRT, HGPRTase, HPRT

描述:Hypoxanthine-guanine phosphoribosyltransferase, also known as HPRT1 has a central role in the generation of purine nucleotides through the purine salvage pathway. The enzyme primarily functions to salvage purines from degraded DNA to renewed purine synthesis. In this role, it acts as a catalyst in the reaction between guanine and phosphoribosyl pyrophosphate to form GMP. Recombinant human HPRT1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing, 20% glycerol

分子量:26.7 kDa (238aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMATRSPGVVISDDEPGYDLDFCIPNHYAEDLERVFIPHGLIMDRTERLARDVMKEMGG  
HHIVALCVLKGKGYKFFADLLDYIKALNRNSDRSIPMTVDFIRLKSVCNDQSTGDIKVIIGDDLSTLTGKNVLIVEDIIDTGK  
TMQTLLSLVRQYNPKMVKVASLLVKRTPRSVGYKPDFVGFVGYALDYNEYFRDLNHVCVISETGKAKYKA

纯度:> 95% by HPLC

浓度:0.5mg/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.