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UPP1, 1-310aa, Human, His tag, E.coli

产品货号: TP04433

第三版

别名:Uridine phosphorylase 1, UP, UPASE, UPP, UrdPase 1

描述:Uridine phosphorylase 1, also known as UPP1 catalyses the reversible phosphorolysis of uridine to uracil. The reaction products are then utilized as carbon and energy sources, or in the rescue of pyrimidine bases for nucleotide synthesis. The expression levels and the enzymatic activity of UPP1 are higher in human solid tumors than in adjacent normal tissues. In addition, UPP1 controls the homeostatic regulation of uridine concentration in plasma and tissues and plays a role in the intracellular activation of 5-fluorouracil. Recombinant human UPP1 protein, 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 1mM DTT, 40% glycerol, 200mM NaCl

分子量:36 kDa (330aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMAATGANAEKAESHNDPCVRLNPNIAKMKEDILYHFNLTTSRHNFPALFGDVKFVFCV
GGSPSRMKAFIRCVGAELGLDCPGRDYPNICAGTDRYAMYKVGVLVSVSHGMGIPISIMLHELKLLYYARCSNVTIIRIGT
SGGIGLEPGTVVITEQAVDTCFKAEFEQIVLGKRVIRKTDLNKLVQELLLCSAELSEFTTVVGNTMCTLDFYEGQGRLDG
ALCSYTEKDKQAYLEAAYAAGVRNIEMESSVFAAMCSACGLQAAVVCVTLLNRLEGDQISSPRNVLSEYQQRQRLVSYFI
KKKLSKA

纯度:> 95% by HPLC

浓度:0.25 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.