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ITPA, 1-194aa, Human, His tag, E.coli

产品货号: TP02699

第三版

别名: Inosine triphosphate pyrophosphatase, C20orf37, dJ794I6.3, HLC14-06-P, ITPase, My049, OK/SW-cl.9

描述: ITPA, also known as Inosine triphosphate pyrophosphatase, is an enzyme that catalyzes the pyrophosphohydrolysis of both ITP (inosine triphosphate) and dITP (deoxyinosine triphosphate) to IMP (inosine monophosphate) and diphosphate. IMP can be used as a substrate for purine nucleotide pathways. IMP can be phosphorylated to ITP, and ITPA can regulate the concentration of ITP in the cell by converting ITP back to IMP.

配方: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol

分子量: 23.7kDa (215aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHHSSGLVPRGSHMMAASLVGKKIVFVTGNAKKLEEVVQILGDKFPCTLVAQKIDLPEYQGEPDEISIQKCQE  
AVRQVQGPVLVEDTCLCFNALGGPLPGPYIKWFLEKLKPEGLHQLLAGFEDKSAYALCTFALSTGDPSQPVRLFRGRTSGRI  
VAPRGCQDFGWDPFCQPDGYEQTYAEMPKAEKNAVSHRFRALLELQEYFGSLAA

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.