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HDCC3, 1-140aa, Human, His tag, E.coli

产品货号: TP02424

第三版

别名:Guanosine-3',5'-bis(diphosphate)-pyrophosphohydrolase MESH1, MESH1, ppGpp

描述:HDCC3, also known as guanosine-3',5'-bis(diphosphate)-pyrophosphohydrolase MESH1, contains an active site for ppGpp hydrolysis and a conserved His-Asp-box motif for Mn(2+) binding. Consistent with these structural data, HDCC3 efficiently catalyzes hydrolysis of guanosine 3',5'-diphosphate (ppGpp) both in vitro and in vivo. HDCC3 also suppresses SpoT-deficient lethality and RelA-induced delayed cell growth in bacteria. Recombinant human HDCC3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

配方:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 40% glycerol, 0.15M NaCl, 1mM DTT

分子量:17.9 kDa (160aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSEAAQLLEAADFAARKHRQRRKDPEGTPYINHPIGVARILTHEAGITDIVVLQAAL  
LHDTVEDTDTTLDEVELHFQAQVRRLLVEEVTDDKTLPKLERKRLQVEQAPHSSPGAKLVKLADKLYNLRDLNRCTPEVKI  
Q

纯度:> 95% by HPLC

浓度:0.5 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.