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THG1L, 30-298aa, Human, His tag, E.coli

产品货号: TP04202

第三版

别名: Probable tRNA (His) guanylyltransferase, ICF45

描述: Probable tRNA (His) guanylyltransferase, also known as THG1L, belongs to the tRNA (His) guanylyltransferase family. Localized to the cytoplasm, THG1L is also found near the nuclear membrane and is expressed in many tissues, including liver and lung. Upon DNA damage, THG1L is phosphorylated, most likely by ATM or ATR. It is expressed in a cell cycle-dependent manner and may be involved in cell cycle progression and cell proliferation. Recombinant human THG1L 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 0.1M NaCl, 20% glycerol, 1mM DTT

分子量: 34 kDa (292aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSMASKFEYVRDFEADDTCLAHCWVVVRLDGRNFHRFAEKHNFAKPND SRALQL  
MTKCAQTVMELEDIVIAYGQSDEYSFVFKRKTNWFKRRASKFMTHVASQFASSYVFYWRDYFEDQPLLYPPGFDGRVV  
VYPSNQTLKDYLSWRQADCHINNLYNTVFWALIQQSGLTPVQAQGR LQGT LAADKNEILFSEFNINYNNELPMYRKGTV  
LIWQKVDEVMTKEIKLPTEMEGKKMAVTRTRTKPVPLHCDIIGDAFWKEHPEILDEDS

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.