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GUK1, 1-197aa, Human, His-tag, E.coli (Bioactivity Validated)

产品货号: TP02376

第三版

别名: Guanylate kinase, GMK, GMP kinase.

**描述:** GUK1, also known as GMK, belongs to the guanylate kinase family. This protein exists as a monomer that catalyzes the ATP-dependent conversion of GMP to GDP, thereby playing an essential role in the recycling of GMP. Via its catalytic activity, GUK1 is thought to participate in regulating the supply of guanine nucleotides to signal transduction pathways. Overexpression of GUK1 is associated with pituitary adenocarcinomas, suggesting that GUK1 is involved in tumorigenesis. Recombinant human GUK1 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 10% glycerol, 1mM DTT, 0.1M NaCl

**分子量:** 23.9 kDa (217aa), confirmed by MALDI-TOF

**序列:**

MGSSHHHHHSSGLVPRGSHMSGPRPVVLSGPGAGKSTLLKRLQEHSGIFGFSVSHHTTRNPRPGEENGKDYFVTVREV  
MQRDIAAGDFIEHAEFSGNLYGTSKVAVQAVQAMNRCVLDVDLQGVNRNIKATDLRPIYISVQPPSLHVLEQLRQRNTE  
TEESLVKRLAAAQADMESSEKPEGLFDVVIINDSLDQAYAELKEALSEEIKKAQRTGA

**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.