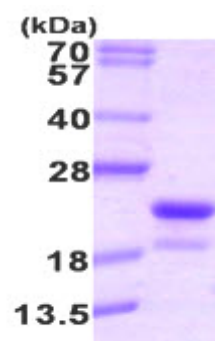


AR09239PU-N

Human Riboflavin kinase (RFK) (1-162, His-tag) - Purified

Alternate names:	ATP:riboflavin 5'-phosphotransferase, Flavokinase
Quantity:	0.1 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	Riboflavin kinase, also known as flavokinase, belongs to the family of transferases, specifically those transferring phosphorus-containing groups (phosphotransferases) with an alcohol group as acceptor. It is an enzyme that catalyzes the phosphorylation of riboflavin (vitamin B2) to form flavin-mononucleotide (FMN).
Uniprot ID:	Q969G6
NCBI:	NP_060809
GeneID:	55312
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol
Description:	Recombinant riboflavin kinase, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHH SSGLVPRGSH MPRADCIMRH LPYFCRGQVV RGFGRGSKQL GIPTANFPEQ VVDNLPADIS TGIYYGWASV GSGDVHKMNV SIGWNPYYKN TKKSMETHIM HTFKEDFYGE ILNVAIVGYL RPEKNFDSLE SLISAIQGDI EEAKKRLELP EHLKIKEDNF FQVSKSKIMN GH Molecular weight: 20.5 kDa (182 aa)
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Karthikeyan S, et al. (2003) Structure. 11(3):265-73. Yazdanpanah B, et al. (2009) Nature. 460(7259):1159-63.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human Riboflavin kinase,
1-162 aa, His-tagged: 15% SDS-PAGE (3
μg)

