

## Product datasheet for **AR09239PU-N**

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

#### Product data:

Product Type:	Recombinant Proteins
Description:	Riboflavin kinase (RFK) (1-162, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MPRADCIMRH LPYFCRGQVW RGFGRGSKQL GIPTANFPEQ VVDNLPADIS TGIYYGWASV GSGDVHKMVV SIGWNPYYKN TKKSMETHIM HTFKEDFYGE ILNVAIVGYL RPEKNFDSLE SLISAIQGD IEEAKKRLELP EHLKIKEDNF FQVSKSKIMN GH
Tag:	His-tag
Predicted MW:	20.5 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant riboflavin kinase, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_060809</u>
Locus ID:	55312
UniProt ID:	<u>Q969G6</u>
Cytogenetics:	9q21.13
Synonyms:	Flavokinase


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**Summary:** Riboflavin kinase (RFK; EC 2.7.1.26) is an essential enzyme that catalyzes the phosphorylation of riboflavin (vitamin B2) to form flavin mononucleotide (FMN), an obligatory step in vitamin B2 utilization and flavin cofactor synthesis (Karthikeyan et al., 2003 [PubMed 12623014]). [supplied by OMIM, Nov 2009]

**Protein Families:** Druggable Genome

**Protein Pathways:** Metabolic pathways, Riboflavin metabolism

**Product images:**

