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# 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:** | MGSSHHHHHH SSGLVPRGSH MPRADCIMRH LPYFCRGQVV RGFGRGSKQL GIPTANFPEQ VVDNLPADIS TGIYYGWASV GSGDVHKMVV SIGWNPYYKN TKKSMETHIM HTFKEDFYGE ILNVAIVGYL RPEKNFDSLE SLISAIQGDI EEAKKRLELP EHLKIKEDNF FQVSKSKIMN GH |
| **Tag:** | His-tag |
| **Predicted MW:** | 20.5 kDa |
| **Concentration:** | lot specific |
| **Purity:** | >90% by SDS - PAGE |
| **Buffer:** | Presentation State: Purified<br>State: Liquid purified protein<br>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:** | NP_060809 |
| **Locus ID:** | 55312 |
| **UniProt ID:** | Q969G6, B2RDZ2 |
| **Cytogenetics:** | 9q21.13 |
| **Synonyms:** | RIFK |

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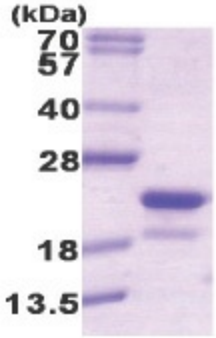
**Summary:** Riboflavin kinase (RFK; EC 2.7.1.26) is an essential enzyme that catalyzes the phosphorylation of riboflavin (vitamin B2) to form flavin mononucleotide (FMN), an obligatory step in vitamin B2 utilization and flavin cofactor synthesis (Karthikeyan et al., 2003 [PubMed 12623014]). [supplied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

**Protein Families:** Druggable Genome

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

## Product images:

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