

Datasheet for ABIN7197718

## Riboflavin Kinase Protein (RFK) (His tag)



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### 1 Image

#### Overview

Quantity:	50 µg
Target:	Riboflavin Kinase (RFK)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Riboflavin Kinase protein is labelled with His tag.

#### Product Details

Purpose:	Recombinant Human Flavokinase/RFK Protein (His Tag)
Sequence:	Met 1-His 155
Characteristics:	A DNA sequence encoding the mature form of human RFK (Q969G6) (Met1-His155) was expressed with a polyhistidine tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.

#### Target Details

Target:	Riboflavin Kinase (RFK)
Alternative Name:	Flavokinase/RFK ( <a href="#">RFK Products</a> )
Background:	Background: Flavokinase is a member of the transferases family, specifically those transferring phosphorus-containing groups (phosphotransferases) with an alcohol group as acceptor. Flavokinase 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

## Target Details

cofactor synthesis. It has been proposed that TNF, through the activation of the flavokinase gene, enhances the incorporation of FAD in NADPH oxidase enzymes, which is a critical step for the assembly and activation of NADPH oxidase.

Synonym: RIFK

Molecular Weight: 19.5 kDa

UniProt: [Q969G6](#)

## Application Details

Restrictions: For Research Use only

## Handling

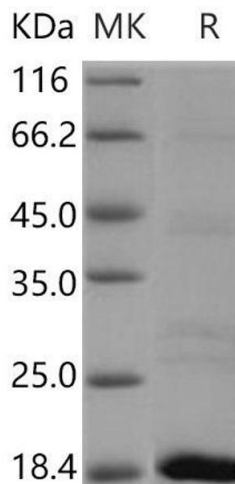
Format: Frozen, Liquid

Buffer: Supplied as sterile 20 mM Tris, 10 % glycerol, pH 8.0

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

## Images



### Western Blotting

Image 1.