

# Recombinant Human Flavokinase/RFK Protein (His Tag)



Catalog Number:PKSH030327

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

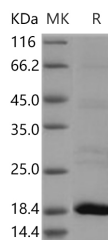
## Description

|                                    |               |
|------------------------------------|---------------|
| <b>Synonyms</b>                    | RIFK          |
| <b>Species</b>                     | Human         |
| <b>Expression Host</b>             | E.coli        |
| <b>Sequence</b>                    | Met 1-His 155 |
| <b>Accession</b>                   | Q969G6        |
| <b>Calculated Molecular Weight</b> | 19.5 kDa      |
| <b>Observed molecular weight</b>   | 20 kDa        |
| <b>Tag</b>                         | N-His         |

## Properties

|                       |  |
|-----------------------|--|
| <b>Purity</b>         | > 90 % as determined by reducing SDS-PAGE.   |
| <b>Endotoxin</b>      | Please contact us for more information.  |
| <b>Storage</b>        | Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.   |
| <b>Shipping</b>       | This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C. |
| <b>Formulation</b>    | Supplied as sterile solution of 20mM Tris, 10% glycerol, pH 8.0  |
| <b>Reconstitution</b> | Not Applicable   |

## Data



> 90 % as determined by reducing SDS-PAGE.

## 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 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.

## For Research Use Only

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