



Recombinant Protein Technical Manual
Recombinant Human Flavokinase/RFK Protein (His
Tag)
RPES0760

Product Data:

Product SKU: RPES0760

Size: 50µg

Species: Human

Expression host: E. coli

Uniprot: Q969G6

Protein Information:

Molecular Mass: 19.5 kDa

AP Molecular Mass: 20 kDa

Tag: N-His

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: Please contact us for more information.

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

Shipping: 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.

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

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: RIFK

Immunogen Information:

Sequence: Met 1-His 155

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.