

Recombinant Human Flavokinase/RFK Protein (His Tag)

Catalog No. PKSH030327

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

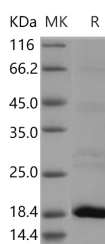
Description

Synonyms	RIFK
Species	Human
Expression Host	E.coli
Sequence	Met 1-His 155
Accession	Q969G6
Calculated Molecular Weight	19.5 kDa
Observed molecular weight	20 kDa
Tag	N-His
Bioactivity	Not validated for activity

Properties

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 solution of 20mM Tris, 10% glycerol, pH 8.0
Reconstitution	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.

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