

Recombinant Human RFK, His-tagged

Cat. No. RFK-30014TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human RFK with a His tag and 7 extra amino acids at the N terminal; 182amino acids, 20.5kDa.
Species	Human
Source	E.coli
Description	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.
Conjugation	HIS
Tissue specificity	Detected in brain, placenta and urinary bladder.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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Sequences of amino acids
 MGSSHHHHH SSGLVPRGSH MPRADCIMRH LPYFCRGQVVRFGRGSKQL
 GIPTANFPEQ VVDNLPADIS TGIYYGWASVGSVDVHKMVV SIGWNPYYKN
 TKKSMETHIM HTFKEDFYGEILNVAIVGYL RPEKNFDSLE SLISAIQGDI
 EEAKRLELPEHLKIKEDNF FQVSKSKIMN GH

Full Length Full L.

GENE INFORMATION

Gene Name RFK riboflavin kinase [Homo sapiens]

Official Symbol RFK

Synonyms RFK; riboflavin kinase; FLJ11149; RIFK;

Gene ID 55312

mRNA Refseq NM_018339

Protein Refseq NP_060809

MIM 613010

Uniprot ID Q969G6

Chromosome Location 9q21.31

Pathway Folate Metabolism, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of vitamins and cofactors, organism-specific biosystem; Metabolism of water-soluble vitamins and

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cofactors, organism-specific biosystem;

Function

ATP binding; metal ion binding; nucleotide binding; riboflavin kinase activity; riboflavin kinase activity;

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