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: NoneConstituents: 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.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MPRADCIMRH LPYFCRGQVVRGFGRGSKQL GIPTANFPEQ VVDNLPADIS TGIYYGWASVGSGDVHKMVV SIGWNPYYKN TKKSMETHIM HTFKEDFYGEILNVAIVGYL RPEKNFDSLE SLISAIQGDI EEAKKRLELPEHLKIKEDNF 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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	cofactors, organism-specific biosystem;
Function	ATP binding; metal ion binding; nucleotide binding; riboflavin kinase activity; riboflavin kinase activity;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA