

**Riboflavin kinase, 1-162 aa, Human, His-tagged, Recombinant, E.coli**

**Cat.NO.: TP03740**

3th Edition

**Synonyms:**RIFK, RP11-422N19.2, RFK

**Description:**Riboflavin kinase, also known as flavokinase, belongs to the family of transferases, specifically those transferring phosphorus-containing groups (phosphotransferases) with an alcohol group as acceptor. It is an enzyme that catalyzes the phosphorylation of riboflavin (vitamin B2) to form flavin-mononucleotide (FMN). Recombinant riboflavin kinase was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol

**Molecular Weight:**20.5 kDa (182 aa)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMPRADCIMRHLPYFCRGQVVRGFGRGSKQLGIPTANFPEQVVDNLPADISTGIYY  
GWASVGSQDVHKMVVSIGWNPYYKNTKKSMETHIMHTFKEDFYGEILNVAIVGYLRPEKNFDSLESLSIAIQGDIEE  
AKKRLELPEHLKIKEDNFFQVSKSKIMNGH

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.