

Product datasheet for TP302812L

RFK (NM_018339) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human riboflavin kinase (RFK), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202812 protein sequence Red =Cloning site Green =Tags(s)
	MPRADCIMRHLPHYFCRGQVVRGFGGRGSKQLGIPTANFPEQVVDNLPADISTGIYYGWASVGSQDVHKMVV SIGWNPYYKNTKKSMETHIMHTFKEDFYGEILNVAIVGYLRPEKNFDSLESLSAIQGDIEEAKKRLELP EHLKIKEDNFFQVSKSKIMNGH
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	17.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_060809</u>
Locus ID:	55312
UniProt ID:	<u>Q969G6</u> , <u>B2RDZ2</u>
RefSeq Size:	2707



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Cytogenetics: 9q21.13

RefSeq ORF: 486

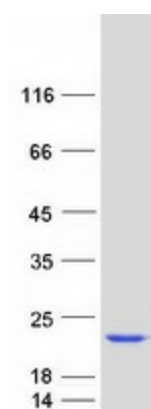
Synonyms: RIFK

Summary: 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., 2003 [PubMed 12623014]).[supplied by OMIM, Nov 2009]

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Riboflavin metabolism

Product images:



Coomassie blue staining of purified RFK protein (Cat# [TP302812]). The protein was produced from HEK293T cells transfected with RFK cDNA clone (Cat# [RC202812]) using MegaTran 2.0 (Cat# [TT210002]).