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Product datasheet for TP302812

RFK (NM_018339) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human riboflavin kinase (RFK), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202812 protein sequence Red=Cloning site Green=Tags(s) MPRADCIMRHLPYFCRGQVVRGFGRGSKQLGIPTANFPEQVVDNLPADISTGIYYGWASVGSGDVHKMVV SIGWNPYYKNTKKSMETHIMHTFKEDFYGEILNVAIVGYLRPEKNFDSLESLISAIQGDIEEAKKRLELP 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:	NP_060809
Locus ID:	55312
UniProt ID:	Q969G6

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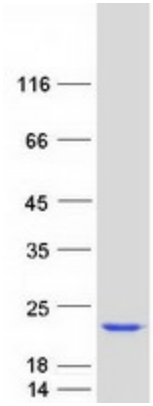
RefSeq Size:	2707
Cytogenetics:	9q21.13
RefSeq ORF:	486
Synonyms:	RIFK
Summary:	Riboflavin kinase (RFK; EC 2.7.1.26) is an essential enzyme that catalyzes the phosphorylation of riboflavin (vitamin B2) to form flavin mononucleotide (FMN), an obligatory step in vitamin B2 utilization and flavin cofactor 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]).