

Recombinant Human RFK 293 Cell Lysate

Cat. No. RFK-2407HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for riboflavin kinase (RFK) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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GENE INFORMATION

Gene Name	RFK riboflavin kinase [Homo sapiens]
Official Symbol	RFK
Synonyms	RFK; riboflavin kinase; FLJ11149; RIFK; flavokinase; 0610038L10Rik; ATP:riboflavin 5-phosphotransferase; RP11-422N19.2;
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 cofactors, organism-specific biosystem; Riboflavin metabolism, organism-specific biosystem; Riboflavin metabolism, conserved biosystem;
Function	ATP binding; metal ion binding; nucleotide binding; riboflavin kinase activity; riboflavin kinase activity; transferase activity;

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