

Product datasheet for PH302812

RFK (NM_018339) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RFK MS Standard C13 and N15-labeled recombinant protein (NP_060809)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202812
Predicted MW:	18.4 kDa
Protein Sequence:	>RC202812 protein sequence Red=Cloning site Green=Tags(s) MPRADCIMRHLPHYFCRGQVVRGFGRGSKQLGIPTANFPEQVVDNLPADISTGIYYGWASVSGSDVHKMVV SIGWNPYYKNTKKSMETHIMHTFKEDFYGEILNVAIVGYLRPEKNFDSLESLSISAIQGDIEEAKKRLELP EHLKIKEDNFFQVSKSKIMNGH TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_060809
RefSeq Size:	2707
RefSeq ORF:	486
Synonyms:	RIFK
Locus ID:	55312
UniProt ID:	Q969G6 , B2RDZ2



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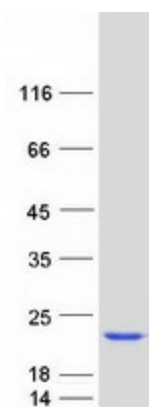
Cytogenetics: 9q21.13

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]).