

Product datasheet for PH305636

RBKS (NM_022128) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RBKS MS Standard C13 and N15-labeled recombinant protein (NP_071411)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205636
Predicted MW:	34.1 kDa
Protein Sequence:	>RC205636 protein sequence Red=Cloning site Green=Tags(s)
	MAASGEPQRQWQEEVAAVVVVVGSCMTDLVSLTSRLPKTGETIHGHKFFIGFGKGANQCVAARLGAMTS MVCKVGKDSFGNDYIENLKQNDISTEFTYQTKDAATGTASIIVNEGQNIIVIVAGANLLNTEDLRAAA NVISRAKVMVCQLEITPATSLEALTMARRSGVKTLFNPAPAIADLDPQFYTLSDVFCCNESEAEILTGLT VGSAAADAGEAALVLLKRGCVVVIITLGAEGCVVLSQTEPEPKHIPTEKVKAVDTTGAGDSFVGALAFYLA YYPNLSLEDMLNRSNFIAAVSVQAAGTQSSYPYKDLPLTLF
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	<u>NP_071411</u>
RefSeq Size:	1276
RefSeq ORF:	966
Synonyms:	RBSK; RK
Locus ID:	64080



[View online »](#)

UniProt ID: [Q9H477](#)

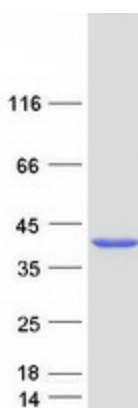
Cytogenetics: 2p23.2

Summary: This gene encodes a member of the carbohydrate kinase PfkB family. The encoded protein phosphorylates ribose to form ribose-5-phosphate in the presence of ATP and magnesium as a first step in ribose metabolism. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013]

Protein Families: Druggable Genome

Protein Pathways: Pentose phosphate pathway

Product images:



Coomassie blue staining of purified RBKS protein (Cat# [TP305636]). The protein was produced from HEK293T cells transfected with RBKS cDNA clone (Cat# [RC205636]) using MegaTran 2.0 (Cat# [TT210002]).