

## Product datasheet for **TP305636M**

### RBKS (NM\_022128) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human ribokinase (RBKS), 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone  
or AA Sequence:** >RC205636 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MAASGEPQRQWQEEVAAVVWGSCMTDLVSLTSRLPKTGETIHGHKFFIGFGGKGANQCVQAARLGAMTS  
MVCKVGKDSFGNDYIENLKQNDISTEFTYQTKDAATGTASIIVNNEGQNIIVIVAGANLLLNTEDLRAAA  
NVISRAKVMVCQLEITPATSLEALTMARRSGVKTLFNPAPAIADLDPQFYTLSDVFCCNESEAEILTGLT  
VGSAAADAGEAALVLLKRGCVWIITLGAEGCVLSQTEPEPKHIPTEKVKAVD TTGAGDSFVGALAFYLA  
YYPNLSLEDMLNRSNFIAAVSVQAAGTQSSYPYKDDLPLTLF

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 34 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\\_071411](#)

**Locus ID:** 64080



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UniProt ID: [Q9H477](#)

RefSeq Size: 1276

Cytogenetics: 2p23.2

RefSeq ORF: 966

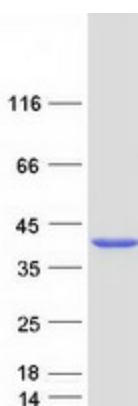
Synonyms: RBSK; RK

**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]).