

Recombinant Full Length Human Ribokinase / RBKS Protein, His-tagged

Cat. No. RBKS-3382H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RBKS protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 36.3 kDa (342aa).
Species	Human
Source	E.coli
Protein Length	1-322 a.a.
Description	Ribokinase, also known as RBKS, belongs to the pfkB family of carbohydrate kinases. It phosphorylates ribose to form ribose-5-phosphate in the presence of ATP and magnesium as a first step in ribose metabolism.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing, 10% glycerol.
Purity	> 95% by SDS - PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MAASGEPQRQ WQEEVAVVV VGSCMTDLVS LTSRLPKTGE TIHGKFFIG FGGKGANQCV QAARLGAMTS MVCKVGKDSF G ND YIENLKQ NDISTEFTYQ TKDAATGTAS IIVNNEGQNI IVIVAGANLL LNT ED LRAAA NVISRAKVMV CQLEITPATS LEALTMARRS GVKTLFNPAP AIA DLD PQFY

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TLSDVFCCNE SEAEILTGLT VGSAADAGEA ALVLLKRG CQ VVII TLG AEG
CVVLSQTEPE PKHIPTEKVK AVDTTGAGDS FVGALAFYLA YYP NLS LEDM
LNRSNFIAAV SVQAAGTQSS YPYKKDLPLT LF.

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Pathways

Pentose phosphate pathway

GENE INFORMATION

Gene Name

RBKS ribokinase [[Homo sapiens](#)]

Synonyms

Ribokinase; RBSK; DKFZp686G13268; RBKS; ribokinase; 5230400M11Rik; EC 2.7.1.15

Gene ID

[64080](#)

mRNA Refseq

[NM_022128](#)

Protein Refseq

[NP_071411](#)

MIM

[611132](#)

UniProt ID

[Q9H477](#)

**Chromosome
Location**

2q23.3

Function

ATP binding; kinase activity; nucleotide binding; ribokinase activity; transferase activity

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