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## Product Data Sheet

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Product Name: RBKS Human  
 Cat. No.: GP22623  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Ribokinase; RBKS; RBSK; DKFZp686G13268.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MAASGEPQRQ WQEEVAAVV VGSCMTDLVS LTSRLPKTGE TIHGKFFIG FGGKGANQCV QAARLGAMTS MVCKVGKDSF GNDYIENLKQ NDISTEFTYQ TKDAATGTAS IIVNNEGQNI IVIVAGANLL LNTEDLRAAA NVISRAKVMV CQLEITPATS LEALTMARRS GVKTLFNPAP AIADLDPQFY TLSDFVCCNE SEAEILTGLT VGSAADAGEA ALVLLKRGCC VVIITLGAEG CVVLSQTEPE PKHIPTEKVK AVDTTGAGDS FVGALAFYLA YYPNLSLEDL LNRSNFIAAV SVQAAGTQSS YPYKKDLPLT LF.		
Formulation	The RBKS solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.		

### Introduction

Ribokinase (RBKS) is a member of the pfkB family of carbohydrate kinases. Ribokinase phosphorylates ribose to form ribose-5-phosphate in the presence of ATP and magnesium as a first step in ribose metabolism.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Background

RBKS Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 342 amino acids (1-322 a.a.) and having a molecular mass of 36.3kDa. The RBKS is purified by proprietary

**Caution: Product has not been fully validated for medical applications. For research use only.**

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chromatographic techniques.

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