

RBKS, 1-322aa, Human, His tag, E.coli

Cat.NO.: TP03689

3th Edition

Synonyms:Ribokinase, RBSK

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. Recombinant human RBKS protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing, 10% glycerol

Molecular Weight:36.3 kDa (342aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMAASGEPQRQWQEEVAVVVVVVGSCMTDLVSLTSRLPKTGETIHGHKFFIGFGGK
GANQCVQAARLGAMTSMVCKVGKDSFGNDYIENLKQNDISTEFTYQTKDAATGTASIIVNNNEGQNIIVIVAGANLLL
TEDLRAAANVISRAKVMVCQLEITPATSLEALTMARRSGVKTLFNPAPAIADLDPQFYTLSDVFCCNESEAEILTGLT
VGSAADAGEAALVLLKRGCVVVIITLGAEGCVVLSQTEPEPKHIPTEKVKAVDTTGAGDSFVGALAFYLAYYPNLSLE
DMLNRSNFIAAVSVQAAGTQSSYPYKKDLPLTLF

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.