

Recombinant human Ribokinase/RBKS protein

Catalog Number: ATGP0827

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-322aa

UniProt No.

Q9H477

NCBI Accession No.

NP_071411

Alternative Names

Ribokinase, RBSK

PRODUCT SPECIFICATION

Molecular Weight

36.3 kDa (342aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by absorbance at 280nm)

Formulation

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

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH> MAASGEPQRQ WQEEVAVVV VGSCMTDLVS LTSRLPKTGE TIHGKFFIG

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FGGKGANQCV QAARLGAMTS MVCKVGKDSF GNDYIENLKQ NDISTEFTYQ TKDAATGTAS IIVNNEGQNI IVIVAGANLL
LNTEDLRAAA NVISRAKVMV CQLEITPATS LEALTMARRS GVKTLFNPAP AIADLDPQFY TLSDFVFCNE SEAEILTGLT
VGSAADAGEA ALVLLKRGCC VVIITLGAEG CVVLSQTEPE PKHIPTEKVK AVDTTGAGDS FVGALAFYLA YYPNLSLEDM
LNRSNFIAAV SVQAAGTQSS YPYKKDLPLT LF

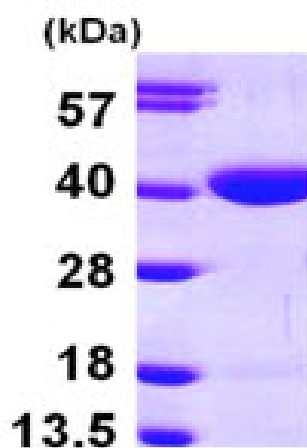
General References

Sigrell J A., et al. (1999) J Mol Biol. 290:1009-1018.

Park J., et al. (2007) FEBS Lett. 581:3211-3216.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)