

Recombinant Human RAP2A, Member Of RAS Oncogene Family, His-tagged

Cat. No. RAP2A-3394H **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
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 SGLVPRGSH 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 TLSDVFCCNE SEAEILTGLT VGSAADAGEA ALVLLKRG CQ VVII TLG AEG CVVLSQTEPE PKHIPTEKVK AVDTTGAGDS FVGALAFYLA YYP NLS LEDM

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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