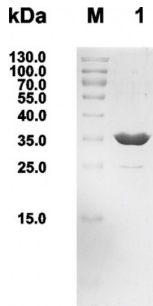


Ribose-phosphate pyrophosphokinase

Catalogue No.: abx072019



SDS-PAGE analysis of purified PPRS (5 µg).

Ribose-phosphate pyrophosphokinase, also known as Phosphoribosylpyrophosphate (PRPP) synthetase, is the key enzyme in the synthesis of purine and pyrimidine nucleotides. This protein is from *E. coli*.

The specific activity of PRPPS (19 µmol/min /mg) was determined by the addition of 0.75 µg PPRS to a mixture of 1 mM ATP, 1 mM 5-phospho-D-ribose disodium, 10 mM KH₂PO₄ in 0.5 ml of 20 mM Tris-HCl (pH 8.0), 5 mM MgCl₂ at 36 °C. Concentration changes of ATP and AMP were analysed by HPLC at 254 nm.

Target: Ribose-phosphate pyrophosphokinase

Origin: *E. coli*

Host: *E. coli*

Purity: 96.5% (SDS-PAGE)

Form: Liquid

Storage: Store at 2-4 °C. For long term storage, store at -20 °C. Avoid repeated freeze/thaw cycles.

Molecular Weight: 34.29 kDa

Sequence: MAPDMKLFAG NATPELAQRI ANRLYTS LGD AAVGRFSDGE VSVQINENVR GGDIFIQST
CAPTNDNLME LVVMVDALRR ASAGRITAVI PYFGYARQDR RVRSARVPIT AKVVADFLSS
VGVDRLTVD LHAEQIQGFF DVPVDNVFGS PILLEDMLQL NLDNPIV VSP DIGGVVRARA
IAKLLNDTDM AIIDKRRPRA NVSQVMHIIG DVAGRDCVLV DDMIDTGGTL CKAAEALKER
GAKRVFAYAT HPIFSGNAAN NLRNSVIDEV VVCDTIPLSD EIKSLPNVRT LTLSGMLAEA IRRISNEESI
SAMFEH

Biological Activity: 19 U/mg

Concentration: 17.7 mg/ml

Abbexa Ltd, Innovation Centre, Cambridge Science Park, Cambridge, CB4 0EY, UK
Telephone: +44 (0) 1223 755950 - Fax: +44 (0) 1223 755951 - E-Mail: info@abbexa.com

Buffer: 20 mM Tris-HCl, pH 7.5, 5 mM MgCl₂, 5 mM ATP, 10% glycerol, 0.04% NaN₃.

Note: This product is for research use only.