

Recombinant human PRPS2 protein

Catalog Number: ATGP3110

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-321aa

UniProt No.

P11908

NCBI Accession No.

NP_001034180

Alternative Names

Ribose-phosphate pyrophosphokinase 2 isoform 1, PRSII

PRODUCT SPECIFICATION

Molecular Weight

37.4 kDa (344aa) confirmed by MALDI-TOF

Concentration

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

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol, 1mM DTT

Purity

> 95% 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

PRPS2 also known as ribose-phosphate pyrophosphokinase 2 isoform 1. The Protein belongs to the ribose-phosphate pyrophosphokinase family. The Protein catalyzes the synthesis of 5-phosphoribosyl 1-pyrophosphate from ATP and D-ribose 5-phosphate. Alternate splicing results in multiple transcript variants. Recombinant human PRPS2, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

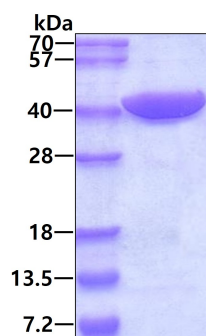
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VRGEDVYIIQ SGCGEINDNL MELLIMINAC KIASSRVTA VIPCFPYARQ DKKDKVGESR APISAKLVAN MLSVAGADHI
ITMDLHASQI QGFFDIPVDN LYAEPAVLQW IRENIAEWKN CIIVSPDAGG AKRVTSIADR LNVEFALIHK ERKKANEVDR
MVLVGDVKDR VAILVDDMAD TCGTICHAAD KLLSAGATKV YAILTHGIFS GPAISRINNA AFEAVVTNT IPQEDKMKHC
TKIQVIDISM ILAEAIRRTH NGESVSYLFS HVPL

General References

Mannava S., et al. (2008) Cell Cycle 7 (15), 2392-2400
Tatibana M., et al. (1995) Adv. Enzyme Regul. 35, 229-249

DATA

SDS-PAGE



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