

Phosphoribosyl Pyrophosphate Synthetase 1 from Human Recombinant

Cat. No. PRPP-001

Lot. No. (See product label)

Introduction

Description

PRPS1 catalyzes the synthesis of phosphoribosylpyrophosphate (PRPP) that is essential for nucleotide synthesis. PRPS1 catalyzes the phosphoribosylation of ribose 5-phosphate to 5-phosphoribosyl-1-pyrophosphate, which is essential for purine metabolism and nucleotide biosynthesis. Defects in PRPS1 result in phosphoribosylpyrophosphate synthetase superactivity, Charcot-Marie-Tooth disease X-linked recessive type 5 and Arts Syndrome.

Product Information

Species	Human
Source	E.coli
Form	Sterile filtered colorless solution
EC Number	EC 2.7.6.1
CAS No.	9015-83-2
Molecular Weight	36.9kDa
Purity	Greater than 90.0%