Creative Enzymes®

# Phosphoribosyl Pyrophosphate Synthetase 1 from Human Recombinant

*Cat. No. PRPP-001*

*Lot. No.* (See product label)

## Introduction

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|---|---|
| ***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

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| ***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% |