Creative Enzymes®

Hypoxanthine-guanine phosphoribosyltransferase from Human, Recombinant

Cat. No. NATE-1166

Lot. No. (See product label)

Introduction

Description	HGPRT is a highly active enzyme that catalyzes the reversible transfer of the 5-phosphoribosyl group between α-D-5-phosphoribosyl-1-pyrophosphate (PRPP) and a purine base (hypoxanthine or guanine) to form a purine nucleotide IMP or GMP. The enzyme has been characterized for its affinity for natural substrates and velocity in forward and reverse directions.
Synonyms	Hypoxanthine phosphoribosyltransferase; HGPRTase; HPRT; Hypoxanthine-guanine phosphoribosyltransferase; HGPRT; EC 2.4.2.8

Product Information

Species	Human
Source	E. coli
EC Number	EC 2.4.2.8
CAS No.	9016-12-0
Molecular Weight	25kDa
Activity	> 1 Unit/mg protein
Unit Definition	One unit of hypoxanthine-guanine phosphoribosyl transferase converts 1 μmole of hypoxanthine to IMP per minute at pH 8.8 at 25°C.

Storage and Shipping Information

Storage	HPRT enzyme is provided in lyophilized form and should be stored at –20°C.