

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 μ mole 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.