

## 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  $\alpha$ -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  $\mu$ 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.