

## 32-7272: Recombinant Human HGPRT/HPRT1 (N-6His)

**Gene :** HPRT1  
**Gene ID :** 3251  
**Uniprot ID :** P00492

### Description

Source: E.coli.  
MW :27.79kD.

Recombinant Human HGPRT is produced by our E.coli expression system and the target gene encoding Met1-Ala218 is expressed with a 6His tag at the N-terminus. Hypoxanthine-Guanine Phosphoribosyltransferase (HGPRT) has an important role in the generation of purine nucleotides through the purine salvage pathway. HPRT1 functions to salvage purines from degraded DNA to renewed purine synthesis, it acts as a catalyst in the reaction between guanine and phosphoribosyl pyrophosphate to form GMP.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM Tris, 250mM NaCl, 2mM EDTA, 30% Glycerol, pH 8.0.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHHSSGLVPRGSHMATRSPGVVISDDEPGYDLDFCIPNHYAEDLERVFIPHGLIMDRTERLARDV  
MKEMGGHHIVALCVLKGGYKFFADLLDYIKALNRNSDRSIPMTVDFIRLKSVCNDQSTGDIKVIGGDDLSTLTGK  
NVLIVEDIIDTGKTMQTLLSLVRQYNPKMVKVASLLVKRTPRSVGYPDFVGFVFEIPDKFVVGALDYNEYFRDLN  
HVCVISETGKAKYKAVEHHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.