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## Datasheet for ABIN7318580 HPRT1 Protein (His tag)

### Overview

Quantity:	50 µg
Target:	HPRT1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HPRT1 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human HGPRT/HPRT1 Protein (His Tag)
Sequence:	Met 1-Ala218
Characteristics:	Recombinant Human Hypoxanthine-Guanine Phosphoribosyltransferase 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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	HPRT1
Alternative Name:	HGPRT/HPRT1 ( <a href="#">HPRT1 Products</a> )
Background:	Background: Hypoxanthine-Guanine Phosphoribosyltransferase (HGPRT) has an important role in the generation of purine nucleotides through the purine salvage pathway. HPRT1 functions to

### Target Details

	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. Synonym: Hypoxanthine-Guanine Phosphoribosyltransferase, HGPRT, HGPRTase, HPRT1, HPRT
Molecular Weight:	27.8 kDa
UniProt:	<a href="#">P00492</a>
Pathways:	<a href="#">Ribonucleoside Biosynthetic Process</a>

### Application Details

Restrictions:	For Research Use only
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### Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM Tris, 250 mM NaCl, 2 mM EDTA, 30 % Glycerol, pH 8.0.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.