

## HPRT1 Human

**Description:** HPRT1 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 238 amino acids (1-218 a.a.) and having a molecular mass of 26.7 kDa. The HPRT1 is fused to 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

**Catalog #:** ENPS-531

For research use only.

**Synonyms:** Hypoxanthine-Guanine Phosphoribosyltransferase , EC 2.4.2.8, HGPRT, HGPRTase, HPRT, HPRT1.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MATRSPGVVI SDDEPGYDLD  
LFCIPNHYAE DLERVFIPHG LIMDRTERLA RDVMKEMGGH HIVALCVLKG GYKFFADLLD  
YIKALNRNSD RSIPMTVDFI RLKSYCNDQS TGDIVIGGD DLSTLTGKNV LIVEDIIDTG  
KTMQTLLSLV RQYNPKMKV ASLLVKRTPR SVGYKPDFVG FEIPDKFVVG YALDYNEYFR  
DLNHVCVISE TG

**Purity:** Greater than 95.0% as determined by SDS-PAGE.

**Formulation:**

HPRT1 Human solution containing 20mM Tris HCL pH-8, & 20% glycerol.

**Stability:**

HPRT1 Human although stable at 4°C for 1 week, should be stored desiccated below -18°C.  
Please prevent freeze thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

HPRT1 has a main part in the generation of purine nucleotides through the purine salvage pathway. HPRT1 primarily functions to salvage purines from degraded DNA to renewed purine synthesis. Therefore, it performs as a catalyst in the reaction between guanine and phosphoribosyl pyrophosphate to form GMP.

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