

## 32-2450: HPRT1 Recombinant Protein

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

### Description

Source : Escherichia Coli. 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. 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.

### Product Info

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|----------------------------|---|
| <b>Amount :</b>            | 25 µg   |
| <b>Purification :</b>      | Greater than 95.0% as determined by SDS-PAGE.   |
| <b>Content :</b>           | HPRT1 Human solution containing 20mM Tris HCl pH-8, & 20% glycerol.   |
| <b>Storage condition :</b> | Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.                                   |
| <b>Amino Acid :</b>        | MGSSHHHHHH SSGLVPRGSH MATRSPGVVI SDDEPGYDLD LFCIPNHYAE DLERVFIPHG LIMDRTERLA RDVMKEMGGH HIVALCVLKG GYKFFADLLD YIKALNRNSD RSIPMTVDFI RLKSYCNDQS TGDIVIGGD DLSTLTGKNV LIVEDIIDTG KTMQTLLSLV RQYNPKMVKV ASLLVKRTPR SVGYKPDFVG FEIPDKFVVG YALDYNEYFR DLNHVCVISE TGKAKYKA. |