

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

Amount :	25 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	HPRT1 Human solution containing 20mM Tris HCl pH-8, & 20% glycerol.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MATRSPGVVI SDDEPGYDLD LFCIPNHYAE DLERVFI PHG LIMDRTERLA RDVMKEMGGH HIVALCVLKG GYKFFADLLD YIKALNRNSD RSIPMTVDFI RLKSYCNDQS TGDIVIGGD DLSTLTGKNV LIVEDIIDTG KTMQTLLSLV RQYNPKMVKV ASLLVKRTPR SVGYKPDFVG FEIPDKFVVG YALDYNEYFR DLNHVCVISE TGKAKYKA.

