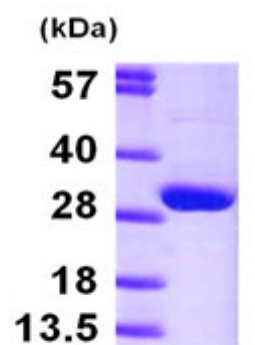


AR09522PU-N

Human HPRT1 / HPRT (1-218, His-tag) - Purified

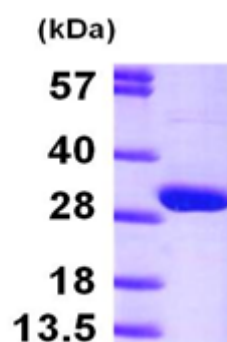
Alternate names:	HGPRT, HGPRTase, Hypoxanthine-guanine phosphoribosyltransferase
Quantity:	0.1 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	Hypoxanthine-guanine phosphoribosyltransferase, also known as HPRT1 has a central role in the generation of purine nucleotides through the purine salvage pathway. The enzyme primarily functions to salvage purines from degraded DNA to renewed purine synthesis. In this role, it acts as a catalyst in the reaction between guanine and phosphoribosyl pyrophosphate to form GMP.
Uniprot ID:	P00492
NCBI:	NP_000185
GeneID:	3251
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% by SDS – PAGE Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol
Description:	Recombinant human HPRT1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: <u>MGSSHHHHHH SSGLVPRGSH</u> MATRSPGVVI SDDEPGYDLD LFCIPNHYAE DLERVFIPHG LIMDRTERLA RDVMKEMGGH HIVALCVLKG GYKFFADLLD YIKALNRNSD RSIPMTVDFI RLKSYCNDQS TGDIVIGGD DLSTLTGKNV LIVEDIIDTG KTMQTLTSLV RQYNPKMVKV ASLLVKRTPR SVGYKPDFVG FEIPDKFVVG YALDYNEYFR DLNHVCVISE TGKAKYKA Molecular weight: 26.7 kDa (238aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Hladnik U., et al. (2008) Arch Neurol. 65(9):1240-3.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human HPRT1, 1- 218 aa,
His-tagged



15% SDS-PAGE (3ug)