

Product datasheet for **AR09522PU-N**

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

Product data:

Product Type:	Recombinant Proteins
Description:	HPRT1 / HPRT (1-218, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MATRSPGVI SDDEPGYDLD LFCIPNHYAE DLERVFIPHG LIMDRTERLA RDVMKEMGGH HIVALCVLKG GYKFFADLLD YIKALNRNSD RSIPMTVDFI RLKSYCNDQS TGDIVIGGD DLSTLTGKNV LIVEDIIDTG KTMQTLLSLV RQYNPKMKV ASLLVKRTPR SVGYKPDFVG FEIPDKFVVG YALDYNEYFR DLNHVCVISE TGKAKYKA
Tag:	His-tag
Predicted MW:	26.7 kDa
Concentration:	lot specific
Purity:	>95% by SDS – PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human HPRT1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_000185</u>
Locus ID:	3251
UniProt ID:	<u>P00492</u> , <u>A0A140VJL3</u>
Cytogenetics:	Xq26.2-q26.3
Synonyms:	HGPRT; HPRT



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Summary:

The protein encoded by this gene is a transferase, which catalyzes conversion of hypoxanthine to inosine monophosphate and guanine to guanosine monophosphate via transfer of the 5-phosphoribosyl group from 5-phosphoribosyl 1-pyrophosphate. This enzyme plays a central role in the generation of purine nucleotides through the purine salvage pathway. Mutations in this gene result in Lesch-Nyhan syndrome or gout.[provided by RefSeq, Jun 2009]

Protein Families:

Druggable Genome, Stem cell - Pluripotency

Protein Pathways:

Drug metabolism - other enzymes, Metabolic pathways, Purine metabolism

Product images: