

Product datasheet for **TP300462**

HPRT (HPRT1) (NM_000194) Human Recombinant Protein

Product data:

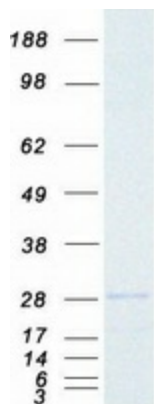
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human hypoxanthine phosphoribosyltransferase 1 (HPRT1)
Species:	Human
Expression Host:	HEK293T
Tag:	C-Myc/DDK
Predicted MW:	24.4 kDa
Concentration:	>50 ug/mL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_000185
Locus ID:	3251
RefSeq Size:	1435
Cytogenetics:	Xq26.2-q26.3
RefSeq ORF:	654
Synonyms:	HGPRT; HPRT
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



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Protein Pathways: Drug metabolism - other enzymes, Metabolic pathways, Purine metabolism

Product images:



Coomassie blue staining of purified HPRT1 protein (Cat# TP300462). The protein was produced from HEK293T cells transfected with HPRT1 cDNA clone (Cat# [RC200462]) using MegaTran 2.0 (Cat# [TT210002]).