

Product datasheet for **TP300462M**

HPRT (HPRT1) (NM_000194) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human hypoxanthine phosphoribosyltransferase 1 (HPRT1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200462 protein sequence Red =Cloning site Green =Tags(s) MATRSPGVVISDDEPGYDLDFCIPNHYAEDLERVFIPHGGLIMDRTERLARDVMKEMGGHHIVALCVLKG GYKFFADLLDYIKALNRNSDRSIPMTVDFIRLKSVCNDQSTGDIKVIGGDDLSTLTGKNVLIVEDIIDTG KTMQTLLSLVRQYNPKMKVASLLVKRTPRSVGYKPDFVGFEPDKFVVGALDYNEYFRDLNHVCVISE TGKAKYKA TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	24.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
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
UniProt ID:	P00492 , A0A140VJL3


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RefSeq Size: 1435

Cytogenetics: Xq26.2-q26.3

RefSeq ORF: 654

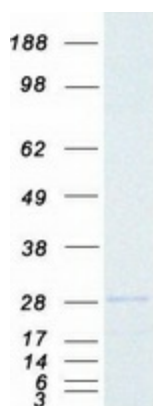
Synonyms: HGPRT; HPRT

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

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]).