

Product datasheet for PH300462

HPRT (HPRT1) (NM_000194) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HPRT1 MS Standard C13 and N15-labeled recombinant protein (NP_000185)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200462
Predicted MW:	24.6 kDa
Protein Sequence:	>RC200462 protein sequence Red=Cloning site Green=Tags(s) MATRSPGVVISDDEPGYDLDFLCIPNHYAEDLERVFIPHGLIMDRTERLARDVMKEMGGHHIVALCVLKG GYKFFADLLDYIKALNRNSDRSIPMTVDFIRLKSVCNDQSTGDIKVIIGDDLSTLTGKNVLIVEDIIDTG KTMQTLLSLVRQYNPKMVKVASLLVKRTPRSVGYKPDFVGFEPDKFVVGALDYNEYFRDLNHVCVISE TGKAKYKA TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000185
RefSeq Size:	1435
RefSeq ORF:	654
Synonyms:	HGPRT; HPRT
Locus ID:	3251
UniProt ID:	P00492 , A0A140VJL3



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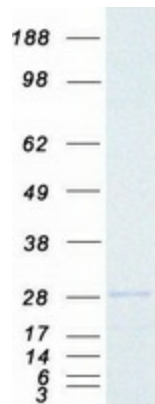
Cytogenetics: Xq26.2-q26.3

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]).