

Recombinant Full Length Human HPRT1 Protein, C-Flag-tagged

Cat. No. HPRT1-619HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human HPRT1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	24.4 kDa
AA Sequence	MATRSPGVVISDDEPGYDLDFCIPNHYAEDLERVFIPHGLIMDRTERLARDVMKEM GGHHIVALCVLKG GYKFFADLLDYIKALNRNSDRSIPMTVDFIRLKSYCNDQSTGDIK VIGGDDLSTLTGKNVLIVEDIIDTG KTMQTL LSLVRQYNPKMVKVASLLVKRTPRSVG YKPDFVGF EIPDKFVVG YALDYNEYFRDLNHVCVISE TGKAKYKATRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Stem cell - Pluripotency
Protein Pathways	Drug metabolism - other enzymes, Metabolic pathways, Purine metabolism
Full Length	Full L.

GENE INFORMATION

Gene Name	HPRT1 hypoxanthine phosphoribosyltransferase 1 [Homo sapiens (human)]
Official Symbol	HPRT1
Synonyms	HPRT; HGPRT
Gene ID	3251
mRNA Refseq	NM_000194.3
Protein Refseq	NP_000185.1

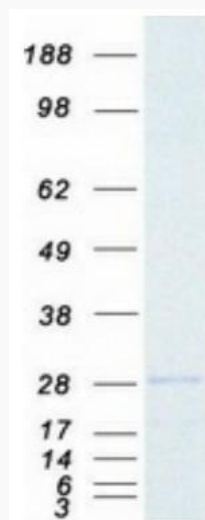
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MIM 308000

UniProt ID P00492



Coomassie blue staining of purified HPRT1 protein.

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