

Recombinant Human HPRT1 Protein, GST-tagged

Cat. No. HPRT1-5011H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HPRT1 full-length ORF (AAH00578, 1 a.a. - 218 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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
Molecular Mass	49.72 kDa
AA Sequence	MATRSPGVVISDDEPGYDLDFCIPNHYAEDLERVFIPHGLIMDRTERLARDVMKEM GGHHIVALCVLKGGYKFFADLLDYIKALNRNSDRSIPMTVD FIRLKS YCNDQSTGDIK VIGGDDLSTLTGKNVLIVEDIIDTGKTMQTLLSLVRQYNPKMVKVASLLVKRTPRSVG YKPDFVGFEIPDKFVVG YALDYNEYFRDLNHVCVISETGKAKYKA
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

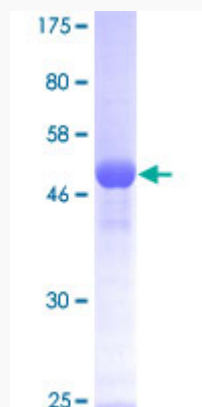
Gene Name	HPRT1 hypoxanthine phosphoribosyltransferase 1 [Homo sapiens]
Official Symbol	HPRT1
Synonyms	HPRT1; hypoxanthine phosphoribosyltransferase 1; HPRT; hypoxanthine-guanine phosphoribosyltransferase; HGPRT; Lesch Nyhan syndrome; HGPRTase;
Gene ID	3251
mRNA Refseq	NM_000194
Protein Refseq	NP_000185
MIM	308000
UniProt ID	P00492

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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