Recombinant Mouse HPRT1 Protein, GST-tagged

Cat. No. HPRT1-2696M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse HPRT1 Protein (Thr3-Ala218) with N-GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Thr3-Ala218
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 54.3 kDa Accurate Molecular Mass: 51 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

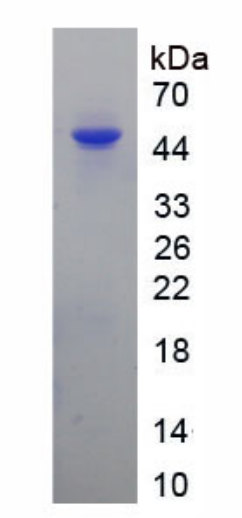
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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Official Symbol	HPRT1
Synonyms	Hypoxanthine Phosphoribosyltransferase 1; HPRT1; HGPRT; HGPRTase; HPRT; Lesch-Nyhan Syndrome; Hypoxanthine-guanine phosphoribosyltransferase

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