

HPRT1 recombinant protein

HPRT1, 1-218aa, Human, His tag, E Coli

CATALOG # AAA48598	HOST E Coli	APPLICATIONS SDS-Page
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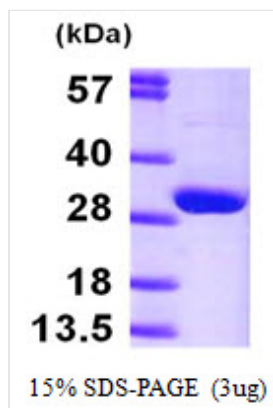
PRODUCT SYNONYMS

HPRT1; 1-218aa; Human; His tag; E Coli; Hypoxanthine-guanine phosphoribosyltransferase; HGPRT; HGPRTase; HPRT; Hypoxanthine-guanine phosphoribosyltransferase HPRT 1; Hypoxanthine guanine phosphoribosyltransferase; Hypoxanthine phosphoribosyltransferase 1 (Lesch Nyhan syndrome); Hypoxanthine phosphoribosyltransferase 1.; HPRT1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing, 20% glycerol
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MATRSPGVVI SDDEPGYDLD LFCIPNHYAE DLERVFIPHG LIMDRTERLA RDVMKEMGGH HIVALCVLKG GYKFFADLLD YIKALNRNSD RSIPMTVDFI RLKSYCNDQS TGDIVVIGGD DLSTLTGKNV LIVEDIIDTG KTMQTLLSLV RQYNPKMKV ASLLVKRTPR SVGYKPDFVG FEIPDKFVVG YALDYNEYFR DLNHVCVISE TGKAKYKA
Sequence Length	218
Applicable Applications for HPRT1 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for HPRT1 recombinant protein	Hypoxanthine-guanine phosphoribosyltransferase, also known as HPRT1 has a central role in the generation of purine nucleotides through the purine salvage pathway. The enzyme primarily functions to salvage purines from degraded DNA to renewed purine synthesis. In this role, it acts as a catalyst in the reaction between guanine and phosphoribosyl pyrophosphate to form GMP. Recombinant human HPRT1, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for HPRT1 recombinant protein	Enzymes & Proteases
References	Hladnik u., et al. (2008) Arch Neurol. 65 (9):1240-3.; Sculley DG., et al. (1992) Hum Genet. 90 (3):195-207191.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504483
NCBI GeneID	3251
NCBI Accession #	NP_000185
NCBI GenBank Nucleotide #	NM_000194.2
UniProt Accession #	P00492; A6NHFO; B2R8M9
Molecular Weight	26.7 kDa (238aa), confirmed by MALDI-TOF
NCBI Official Full Name	hypoxanthine-guanine phosphoribosyltransferase
NCBI Official Synonym Full Names	hypoxanthine phosphoribosyltransferase 1
NCBI Official Symbol	HPRT1
NCBI Official Synonym Symbols	HPRT; HGPRT
NCBI Protein Information	hypoxanthine-guanine phosphoribosyltransferase
UniProt Protein Name	Hypoxanthine-guanine phosphoribosyltransferase
UniProt Gene Name	HPRT1
UniProt Synonym Gene Names	HPRT; HGPRT; HGPRTase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hprt1-recombinant-protein-e-coli-sds-page/48598>