

Hypoxanthine-Guanine Phosphoribosyltransferase Recombinant Protein | HPRT1 recombinant protein

Recombinant Human Hypoxanthine-Guanine Phosphoribosyltransferase

CATALOG #
AAA38805

HOST
E Coli

PRODUCT SYNONYMS

Hypoxanthine-Guanine Phosphoribosyltransferase; Recombinant Human Hypoxanthine-Guanine Phosphoribosyltransferase; HPRT1 Human; Hypoxanthine-Guanine Phosphoribosyltransferase Human Recombinant; EC 2.4.2.8; HGPRT; HGPRTase; HPRT; HPRT1; HPRT1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	HPRT1 Human solution containing 20mM Tris HCL pH-8, & 20% glycerol. Sterile filtered colorless solution.
Concentration	0.5 mg/ml (varies by lot)
Sequence	MGSSHHH HHHSSGLVPR GSHMAT RSPGVVISDD EPGYDLDFC IPNHYAEDLE RVFIPHGLIM DRTERLARDV MKEMGGHHIV ALCVLKGGYK FFADLLDYIK ALNRNSDRSI PMTVDFIRLK SYCNDQSTGD IKVIGGDDLS TLTGKNVLIV EDIIDTGKM QTLLSLVRQY NPKMVKVASL LVKRTPRSVG YKPDFVGFEI PDKFVVGAL DYNEYFRDLN HVCVISETGK AKYKA
Sequence Length	218
Preparation and Storage	HPRT1 Human although stable at 4 degree C for 1 week, should be stored desiccated below -18 degree C. Please prevent freeze thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for HPRT1 recombinant protein	Description: HPRT1 Recombinant Human produced in E Coli is a single, non-glycosylated polypeptide chain containing 238 amino acids (1-218 a.a.) and having a molecular mass of 26.7 kDa. The HPRT1 is fused to 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. Introduction: HPRT1 has a main part in the generation of purine nucleotides through the purine salvage pathway. HPRT1 primarily functions to salvage purines from degraded DNA to renewed purine synthesis. Therefore, it performs as a catalyst in the reaction between guanine and phosphoribosyl pyrophosphate to form GMP.
Product Categories/Family for HPRT1 recombinant protein	Enzymes; Transferase

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504483
NCBI GeneID	3251
NCBI Accession #	NP_000185.1
NCBI GenBank Nucleotide #	NM_000194.2
UniProt Accession #	P00492; A6NHFO; B2R8M9

Molecular Weight	24,579 Da
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; HGPRTase
UniProt Protein Name	Hypoxanthine-guanine phosphoribosyltransferase
UniProt Gene Name	HPRT1
UniProt Synonym Gene Names	HPRT; HGPRT; HGPRTase
UniProt Entry Name	HPRT_HUMAN

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/38805>