

Hypoxanthine-Guanine Phosphoribosyltransferase Active Protein | HPRT1 active protein

Recombinant Human Hypoxanthine-Guanine Phosphoribosyltransferase, Active

CATALOG # AAA10904	HOST E Coli
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PRODUCT SYNONYMS

Hypoxanthine-Guanine Phosphoribosyltransferase; Recombinant Human Hypoxanthine-Guanine Phosphoribosyltransferase; Active; HPRT1 Human; Hypoxanthine Phosphoribosyltransferase 1; EC 2.4.2.8; HGPRTase; HGPRT; HPRT; Hypoxanthine-Guanine Phosphoribosyltransferase 1; Testicular Tissue Protein Li 89; Lesch-Nyhan Syndrome; HPRT1; Human Recombinant; HPRT1 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	Sterile filtered clear solution. HPRT1 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0) and 20% glycerol.
Sequence	MGSSHHH HHHSSGLVPR GSHMAT RSPGVVISDD EPGYDLDFC IPNHYAEDLE RVFIPHGLIM DRTERLARDV MKEMGGHHIV ALCVLKGGYK FFADLLDYIK ALNRNSDRSI PMTVDFIRLK SYCNDQSTGD IKVIGGDDLS TLTGKNVLIV EDIIDTGKTM QTLLSLVRQY NPKMKVASL LVKRTPRSVG YKPDFVGFEI PDKFVVGYAL DYNEYFRDLN HVCVISETGK AKYKA
Sequence Length	218
Biological Activity	Specific activity is > 15 units/mg and is defined as the amount of enzyme that catalyze the formation of 1 umole of guanosine 5'-monophosphate (GMP) per minute from guanine and phosphoribosyl pyrophosphate at pH 7.5 at 37C.
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for HPRT1 active protein	HPRT1 Human Recombinant 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 26.7kDa. HPRT1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Product Categories/Family for HPRT1 active protein	Enzymes

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
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/e-coli-active-protein/hypoxanthine-guanine-phosphoribosyltransferase/10904>