

Human HPRT1 Recombinant Protein



RPPB1829

Product Information Protein Information

Product SKU:

RPPB1829

Accession:

P00492

Host:

Escherichia Coli.

Protein description:

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.

Appearance:

Sterile Filtered clear solution.

Synonyms:

Hypoxanthine Phosphoribosyltransferase 1, EC 2.4.2.8, HGPRTase, HGPRT, HPRT, Hypoxanthine-Guanine Phosphoribosyltransferase 1, Hypoxanthine-Guanine Phosphoribosyltransferase, Testicular Tissue Protein Li 89, Lesch-Nyhan Syndrome, HPRT1.

Formulation:

HPRT1 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0) and 20% glycerol.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°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.

Amino Acid Sequence:

MGSSHHHHHH SSGLVPRGSH MATRSPGVVI SDDEPGYDLD LFCIPNHYAE DLERVFIPHG LIMDRTERLA
RDVMKEMGGH HIVALCVLKG GYKFFADLLD YIKALNRNSD RSIPMTVDFI RLKSYCNDQS TGDIVIGGD
DLSTLTGKNV LIVEDIIDTG KTMQTLLSLV RQYNPKMVKVASLLVKRTPR SVGYKPDFVG FEIPDKFVVG
YALDYNEYFR DLNHVCVISE TGKAKYKA

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.