



Recombinant Protein Technical Manual

Recombinant Human HGPRT/HPRT1 Protein (His Tag)
RPES0700

Product Data:

Product SKU: RPES0700

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P00492

Protein Information:

Molecular Mass: 27.8 kDa

AP Molecular Mass: 29 kDa

Tag: N-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM Tris, 250mM NaCl, 2mM EDTA, 30% Glycerol, pH 8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Hypoxanthine-Guanine Phosphoribosyltransferase; HGPRT; HGPRTase; HPRT1; HPRT

Immunogen Information:

Sequence: Met 1-Ala218

Background:

Hypoxanthine-Guanine Phosphoribosyltransferase (HGPRT) has an important role in the generation of purine nucleotides through the purine salvage pathway. HPRT1 functions to salvage purines from degraded DNA to renewed purine synthesis, it acts as a catalyst in the reaction between guanine and phosphoribosyl pyrophosphate to form GMP.