



Recombinant Protein Technical Manual

Recombinant Human PGM2 Protein (His Tag)

RPES1861

Product Data:

Product SKU: RPES1861

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q96G03

Protein Information:

Molecular Mass: 70.5 kDa

AP Molecular Mass: 65-75 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: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM Tris, 200mM NaCl, pH8.0.

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

Application:

Synonyms: Phosphoglucomutase-2; PGM 2; Glucose phosphomutase 2; Phosphodeoxyribomutase; Phosphopentomutase

Immunogen Information:

Sequence: Met 1-Asp612

Background:

Phosphoglucomutase-2 (PGM2) is a member of PGM family, which catalyzes the inter-conversion of sugar phosphates and participates in anabolic and catabolic reactions. When cells are grown in glucose, PGM catalyzes the conversion of glucose-6-phosphate to glucose-phosphate an important precursor required for the synthesis of UDP glucose and trehalose. PGM2 catalyzes the conversion of the nucleoside breakdown products ribose-phosphate and deoxyribose-phosphate to the corresponding 5-phosphopentoses, and it may also catalyze the interconversion of glucose-phosphate and glucose-6-phosphate. But this protein has low glucose 1,6-bisphosphate synthase activity.