



Recombinant Protein Technical Manual
Recombinant Human PFK1/PFKM Protein (His Tag)
RPES1841

Product Data:

Product SKU: RPES1841

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P08237

Protein Information:

Molecular Mass: 86.1 kDa

AP Molecular Mass: 93 kDa

Tag: C-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 PB, 150mM NaCl, pH 7.4.

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

Application:

Synonyms: 6-phosphofructokinase; muscle type; Phosphofructo-kinase isozyme A; Phosphofructokinase 1; Phosphohexokinase; PFKM; PFKX; ATP-PFK; GSD7; PFK; PFK1; PFKA; PPP1R122

Immunogen Information:

Sequence: Thr 2-Val 780

Background:

6-phosphofructokinase, muscle type is a muscle-type isozyme that in humans is encoded by the PFKM gene. It belongs to the phosphofructokinase family and Two domains subfamily. PFKM functions as subunits of the mammalian tetramer phosphofructokinase, which catalyzes the phosphorylation of fructose-6-phosphate to fructose,6-bisphosphate. PFK1 converts fructose 6-phosphate and ATP into fructose 1,6-bisphosphate (through PFK), fructose 2,6-bisphosphate (through PFK-2) and ADP.