

Recombinant Human PFKM (C-6His)

Catalog No: CI40

Description	Recombinant Human PhosphoFructoKinase, Muscle Type is produced by our Mammalian expression system and the target gene encoding Thr2-Val780 is expressed with a 6His tag at the C-terminus.
Source	Human Cells
Alternative name	6-phosphofructokinase, muscle type; Phosphofructo-1-kinase isozyme A; Phosphofructokinase 1; Phosphohexokinase; PFKM; PFKX
Accession No.	P08237
Formulation	Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 5mM EDTA, 5% Trehalose, pH6.9.
Reconstitution	<p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p> <p>It is not recommended to reconstitute to a concentration less than 100µg/ml.</p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Quality Control	<p>Purity: Greater than 90% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.</p>
Shipping	<p>The product is shipped on dry ice/polar packs.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
Storage	<p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>
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-1,6-bisphosphate. PFK1 converts fructose 6-phosphate and ATP into fructose 1,6-bisphosphate (through PFK-1), fructose 2,6-bisphosphate (through PFK-2) and ADP.

