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Recombinant Human PFKM (C-6His)

Catalog #	EPT292
Expression Host	Human Cells
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.
Accession	P08237
Synonyms	6-phosphofructokinase, muscle type; Phosphofructo-1-kinase isozyme A; Phosphofructokinase 1; Phosphohexokinase; PFKM; PFKX
Mol Mass	86.1 KDa
AP Mol Mass	93 KDa, reducing conditions
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Endotoxin	Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.
FORMULATION	Supplied as a 0.2 μm filtered solution of 20mM PB,

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150mM NaCl, 5mM EDTA, 5% Trehalose, pH 6.9.

RECONSTITUTION

SHIPPING

The product is shipped on dry ice/polar packs.

Upon receipt, store it immediately at the temperature listed below.

STORAGE

Store at ≤-70°C, stable for 6 months after receipt.

Store at ≤-70°C, stable for 3 months under sterile conditions after opening.

Please minimize freeze-thaw cycles.

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.

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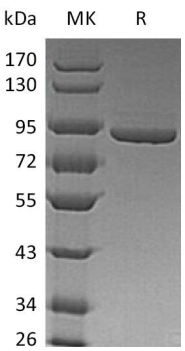

SDS-PAGE

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