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PFKM Human

Catalog #:PKPS-372

For research use only.

Description:PFKM Human Recombinant produced in E.Coli is a single, non-glycosylated,polypeptide chain containing 800 amino acids(1-780 a.a.) and having a molecular mass of 87.3 kDa. PFKM protein is fused to a 20 amino acid His-Tag at N-terminus and purified by standard chromatography.

Synonyms:EC 2.7.1.11, GSD7, PFK-1, PFK1, PFKA, PFKX, Phosphofructokinase-M, Phosphofructokinase 1, Phosphohexokinase, Phosphofructo-1-kinase isozyme A, MGC8699, PFKM.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MTHEEHHAAK TLGIGKAIAV LTSGGDAQGM NAAVRAVVRV GIFTGARVFF VHEGYQGLVD GGDHIKEATW ESVSMMLQLG GTVIGSARCK DFREREGRLR AAYNLVKRGI TNLCVIGGDG SLTGADTFRS EWSDLLSDLQ KAGKITDEEA TKSSYLNIVGLVGSIDNDFC GTDMTIGTDS ALHRIMEIVD AITTTAQSHQ RTFVLEVMGR HCG

Purity: Greater than 80% as determined by SDS-PAGE.

Formulation:
PFKM Human solution containing 20mM Trsi HCL pH-8, 5mM DTT, 0.2M NaCl and 20% glycerol.

Stability:
PFKM human althoμgh stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.

Usage:
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Introduction:
PFKM is a regulatory glycolytic enzyme that converts fructose 6-phosphate and ATP into fructose 1,6-bisphosphate (throμgh PFK-1), fructose 2,6-bisphosphate (throμgh PFK-2) and ADP. Three phosphofructokinase isozymes exist in humans: muscle, liver and platelet. Mutations in PFKM gene have been related with glycogen storage disease type VII, also identified as Tarui disease.

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