

32-8425: Recombinant Human Fructose-2,6-Bisphosphatase 1/PFKFB1/PFK/FBPase 1 (C-6His)(Discontinued)

Gene : PFKFB1
Gene ID : 5207
Uniprot ID : P16118

Description

Source: Human Cells.

MW :55.6kD.

Recombinant Human FBPase 1 is produced by our Mammalian expression system and the target gene encoding Ser2-Tyr471 is expressed with a 6His tag at the C-terminus. 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 1 is an enzyme that in humans is encoded by the PFKFB1 gene. The enzyme forms a homodimer that catalyzes both the synthesis and degradation of fructose-2,6-bisphosphate using independent catalytic domains. It belongs to the phosphoglycerate mutase family. Fructose-2,6-bisphosphate is an activator of the glycolysis pathway and an inhibitor of the gluconeogenesis pathway. Consequently, regulating fructose-2,6-bisphosphate levels through the activity of this enzyme is thought to regulate glucose homeostasis.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : SPEMGELTQTRLQKIWIPIHSSGSSRLQRRRGSSIPQFTNSPTMVMVGLPARGKTYISTKLTRYLNWIGTPTKVF
NLGQYRREAVSYKNEYFFLPDNMEALQIRKQCALAALKDVHNYLSHEEGHVAVFDATNTTRERRSLILQFAKEH
GYKVVFFIESICNDPGIIAENIRQVQLGSPDYIDCDREKVLDFLKRIECYEVNYQPLDEELDSHLSYIKIFDVGTRYM
VNRVQDHIQSRTVYYLMNIHVTPRSIYLCRHGESELNIRGRIGGDSGLSVRGKQYAYALANFIQSQGISSLKVWT
SHMKRTIQTAELGVPYEQWKALNEIDAGVCEEMTYEEIQEHYPPEEFALRDQDKYRYRYPKGESYEDLVQRLEP
VIMELERQENLVICHQAVMRCLLAYFLDKSSDELPLYLKCPLHTVLKLTVPVAYGCKVESIYLNVEAVNTHREKPE
NVDITREPEEALDTPAHYVDHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.