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32-6882: PGM1 Human

Alternative Name : PGM1, Phosphoglucomutase 1, Glucose Phosphomutase 1, EC 5.4.2.2, PGM 1, CDG1T, GSD14, Phosphoglucomutase-1, EC 5.4.2.

Description

Source: Escherichia Coli.
Sterile Filtered clear colorless solution.
Phosphoglucomutase-1 also known as PGM1 is a member of the phosphohexose mutase family. There are more than a few PGM isozymes, which catalyze the transfer of phosphate between the 1&6 positions of glucose. In nearly all cell types, PGM1 isozymes predominate, representing around 90% of total PGM activity. Â It has been found that defects in PGM1 are the cause of glycogen storage disease type 14.
PGM1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 585 amino acids (1-562 a.a) and having a molecular mass of 63.8kDa.PGM1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	5 µg / 25 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	PGM1 protein solution (1mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMVKIVTV KTQAYQDQKP GTSGLRKRVK VFQSSANYAE NFIQSIISTV EPAQRQEATL VVGGDGRFYM KEAIQLIARI AAANGIGRLV IGQNGILSTP AVSCIIRKIK AIGGIILTAS HNPGGPNGDF GIKFNISNGG PAPEAITDKI FQISKTIEEY AVCPDLKVDL GVLGKQQFDL ENKFKPFTVE IVDSVEAYAT MLRSIFDFSA LKELLSGPNR LKIRIDAMHG VVGPYVKKIL CEELGAPANS AVNCVPLEDF GGHHPDPNLT YAADLVETMK SGEHDFGAAF DGDGDRNMIL GKHGFFVNPS DSVAVIAANI FSIPYFQQTG VRGFARSMPT SGALDRVASA TKIALYETPT GWKFFGNLMD ASKLSLCGEE SFGTGSDHIR EKDGLWAVLA WLSILATRKQ SVEDILKDHW QKYGRNFFTR YDYEEVEAEG ANKMMKDLEA LMFDRSFVGK QFSANDKVYT VEKADNFEYS DPVDGSISRN QGLRLIFTDG SRIVFRLSGT GSAGATIRLY IDSYEKDVAK INQDPQVMLA PLISIALKVS QLQERTGRTA PTVIT.