

Phosphoglucomutase 1 Human Recombinant

Item Number	rAP-1329
Synonyms	PGM1, Phosphoglucomutase 1, Glucose Phosphomutase 1, EC 5.4.2.2, PGM 1, CDG1T, GSD14, Phosphoglucomutase-1, EC 5.4.2.
Description	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.
Uniprot Accession Number	P36871
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGSMVKIVTV KTQAYQDQKP GTSGLRKRVK VFQSSANYAE NFIQSI-ISTV EPAQRQEATL VVGDDGRFYM KEAIQLIARI AAANGIGRLV IGQNGILSTP AVSCIIRKIK AIGGIILTAS HNPGGPNGDF GIKFNISNGG PAPEAITDKI FQISKTIIEY AVCPDLKVDL GVLGKQQFDL ENKFKPFTVE IVDSVEAYAT MLRSIFDFS LKELLSGPNR LKIRIDAMHG VVGPPYVKIL CEELGAPANS AVNCVPLEDF GGHPDPNLT YAADLVETMK SGEHDFGA AF DGDGDRNMIL GKHGFFVNPS DSVAVIAANI FSIPIYFQQTG VRGFARSMPT SGALDRVASA TKIALYETPT GWKFFGNLMD ASKLSLCGEE SFGTGSDHIR EKDGLWAVLA WLSILATRKQ SVEDILKDHV QKYGRNFFTR YDYEEVEAEG ANKMMKDLEA LMFDRSFVGK QFSANDKVYT VEKADNFEYS DPVDGSISRN QGLRLIFTDG
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear colorless solution. 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.
Formulation and Purity	PGM1 protein solution (1mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol. Greater than 95% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**