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Glucose-6-phosphate isomerase, 1-558aa, , Human, His tag, E.coli

产品货号: TP02262

第三版

别名:GPI, AMF, GNPI, NLK, PGI, PHI, SA36

**描述:**Glucose-6-phosphate isomerase, also known as GPI, belongs to the GPI family whose members encode multifunctional phosphoglucose isomerase proteins involved in energy pathways. The protein encoded by this gene is a dimeric enzyme that catalyzes the reversible isomerization of glucose-6-phosphate and fructose-6-phosphate. Mammalian GPI can function as a tumor-secreted cytokine and an angiogenic factor (AMF) that stimulates endothelial cell motility. GPI is also a neurotrophic factor (Neuroleukin) for spinal and sensory neurons. Recombinant human GPI, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**配方:**Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 1mM DTT, 10% glycerol.

**分子量:**65.3kDa (578aa), confirmed by MALDI-TOF

**序列:**

MGSSHHHHHSSGLVPRGSHMAALTRDPQFQKLQQWYREHRSELNLRRLFDANKDRFNHFSLTLNTNHGHILVDYSKN  
LVTEDVMRMLVDLAKSRGVEAARERMFNGEKINYTEGRAVLHVALRNRNTPILVDGKDVMPVNVKVLDMKMSFCQR  
VRSGDWKGYTGKTITDVINIGIGGSDLGPLMVTEALPKYSSGGPRVWYVSNIDGTHIAKTLAQLNPESLFIASKTFTTQET  
ITNAETAKEWFLQAAKDPSSAVAKHFVALSTNTTKVKEFGIDPQNMFEFWDWVGGRYSLWSAIGLSIALHVGFDFNFEQLLS  
GAHWMDQHFRTPLEKNAPVLLALLGIWYINCFGCETHAMLPYDQYLHRFAAYFQQGDMESNGKYITKSGTRVDHQT  
GPIVWGEPTNGQHAFYQLIHQGTKMIPCDFLIPVQTQHPHPIRKLHLLKILLANFLAQTEALMRGKSTEEARKELQAAGKS  
PEDLERLLPHKVFEGNRPTNSIVFTKLTTPFMLGALVAMYEHKIFVQGIIWDINSFDQWGVELGKQLAKKIEPELDGSAQVT  
SHDASTNGLINFIKQQREARVQ

**纯度:**> 95% by HPLC

**浓度:**1mg/ml (determined by Bradford assay)

**内毒素:**<1.0 EU per 1 ug of protein (determined by LAL method)

**存储:**+4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.