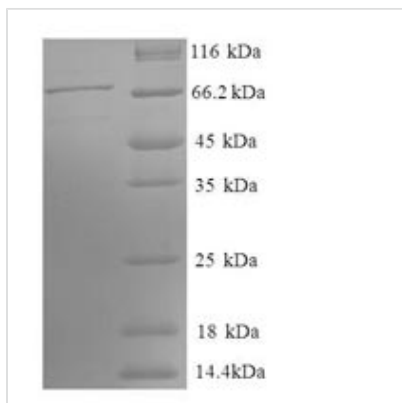




Recombinant Human Phosphoglycerate kinase 1 (PGK1), partial

Product Code	CSB-EP017856HU1
Relevance	In addition to its role as a glycolytic enzyme, it ses that PGK-1 acts as a polymerase alpha cofactor protein (primer recognition protein).
Abbreviation	Recombinant Human PGK1 protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P00558
Alias	Cell migration-inducing gene 10 protein;Primer recognition protein 2 ;PRP 2
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	FNVPMKNNQITNNQRIKAAVPSIKFCLDNGAKSVVLMShLGRPDGVPMpDKYS LEPVAVELKsLLGKDVLFLKDCVGPEVEKACANPAAGSVILLENLRFHVEEEGK GKDasGNKVKAEPakIEAFRASLSKLGDVYVNDaFGTAHRAHSSMVGvNLpQ KAGGFLMKKELNYFAKALESPERPFLAILGGAKVADKIQLINnMLDKvNEMIIGG GMAFTFLKVLNNMEIGTSLFDEEGAKIVKDLMSKAekNGVKITLPVDFVTADKF DENAKTGQATVASGIPAGWMGLDCGPESsKKYAEaVTRAKQIVWNGPVGvF EWEAFARGTKALMDEVVKATSRGCITiIGGGDTATCCAKWNTEDKVSHVSTG GGASLELLEgKVLPgVDALSNI
Research Area	Metabolism
Source	E.coli
Target Names	PGK1
Expression Region	25-417aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	68.9kDa
Protein Length	Partial
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The recombinant Human PGK1 protein synthesis in e.coli cells necessitates the incorporation of a DNA fragment encoding the Human PGK1 protein (25-417aa) into a plasmid vector, followed by the transformation of this vector into e.coli cells. After screening for positive cells, they are cultured and induced to express the PGK1 protein. The protein carries a N-terminal GST tag. Cell lysis is performed to gather the recombinant Human PGK1 protein, which undergoes affinity purification and is then analyzed using SDS-PAGE and subsequent staining of the gel with Coomassie Brilliant Blue. The purity of the resulting recombinant Human PGK1 protein reaches up to 90%.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.