

# Recombinant human PGK1 protein ab211320

[1 References](#) [1 图像](#)

### 描述

<b>产品名称</b>	重组人PGK1蛋白
<b>生物活性</b>	Specific activity: > 600 units/mg. One unit will convert 1 umole of 1,3-Bisphosphoglycerate to 3-PGA per minute at pH 8.0 at 37°C.
<b>纯度</b>	> 95 % SDS-PAGE. ab211320 was purified using conventional chromatography techniques.
<b>内毒素水平</b>	< 1.000 Eu/μg
<b>表达系统</b>	Escherichia coli
<b>Accession</b>	<b><u>P00558</u></b>
<b>蛋白长度</b>	Full length protein
<b>无动物成分</b>	No
<b>性质</b>	Recombinant
<b>种属</b>	Human
<b>序列</b>	<pre> MGSSHHHHHHSSGLVPRGSHMSLSNKLTLDKLDVKGKRVVMR VDFNVPMK NNQITNNQRIKAAVPSIKFCLDNGAKSVVLMShLGRPDGVPM PDKYSLEP VAVELKSLLGKDVLFLKDCVGPEVEKACANPAAGSVILLENL RFHVEEEG KGKDASGNKVKAEPAKIEAFRASLSKLGDVYVNDAFGTAHRA HSSMVGVN LPQKAGGFLMKKELNYFAKALESPPERPFLAILGGAKVADKIQ LINNMLDK VNEMIIGGMAFTFLKVLNMEIGTSLFDEEGAKIVKDLMSK AEKNGVKI TLPVDFVTADKFDENAKTGQATVASGIPAGWMGLDCGPESK KYAEAVTR AKQIVWNGPVGVFWEAFARGTKALMDEVVKATSRGCITIIG GGDTATCC AKWNTEDKVS HVSTGGGASLELLEGGKVLPGVDALSNI </pre>
<b>预测分子量</b>	47 kDa including tags
<b>氨基酸</b>	1 to 417
<b>标签</b>	His tag N-Terminus

## 技术指标

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Our **Abpromise guarantee** covers the use of **ab211320** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Mass Spectrometry
	SDS-PAGE
	Functional Studies
质谱法	MALDI-TOF
形式	Liquid

## 制备和贮存

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### 稳定性和存储

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.02% DTT

This product is an active protein and may elicit a biological response in vivo, handle with caution.

## 常规信息

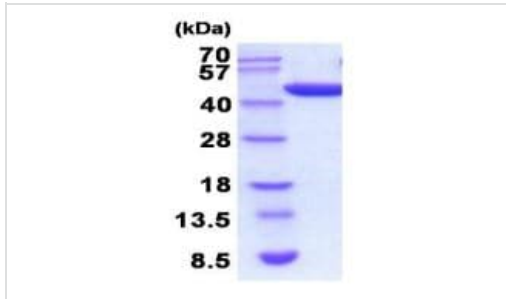
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功能	In addition to its role as a glycolytic enzyme, it seems that PGK-1 acts as a polymerase alpha cofactor protein (primer recognition protein).
通路	Carbohydrate degradation; glycolysis; pyruvate from D-glyceraldehyde 3-phosphate: step 2/5.
疾病相关	Defects in PGK1 are the cause of phosphoglycerate kinase 1 deficiency (PGK1D) [MIM:300653]. It is a condition with a highly variable clinical phenotype that includes hemolytic anemia, rhabdomyolysis, myopathy and neurologic involvement. Patients can express one or more of these manifestations.
序列相似性	Belongs to the phosphoglycerate kinase family.
细胞定位	Cytoplasm.

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## 图片

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15% SDS-PAGE analysis of ab211320 (3µg).

SDS-PAGE - Recombinant human PGK1 protein  
(ab211320)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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