

## Product datasheet

# Recombinant Human PGAM1 protein ab100885

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### Description

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<b>Product name</b>	Recombinant Human PGAM1 protein
<b>Purity</b>	> 90 % SDS-PAGE. ab100885 is purified using conventional chromatography techniques.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>P18669</u></b>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	<b>MGSSHHHHHH SSGLVPRGSH</b> MAA YKLVLIR HGSAWNLEN RFSGWYDADL SPAGHEEAKR GGQALRDAGY EFDICFTSVQ KRAIRTLWTV LDAIDQMWLP VVRTWRLNER HYGGLTGLNK AETAAKHGEA QVKIWRRSYD VPPPPMEPDH PFYSNISKDR RYADLTEDQL PSCESLKDTI ARALPFWNEE MPQIKEGKR VLIAAHGNSL RGMVKHLEGL SEEAIMELNL PTGIPVYEL DKNLKPIKPM QFLGDEETVR KAMEAVAAQG KAKK
<b>Predicted molecular weight</b>	31 kDa including tags
<b>Amino acids</b>	1 to 254
<b>Tags</b>	His tag N-Terminus

### Specifications

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Our **Abpromise guarantee** covers the use of **ab100885** in the following tested applications.

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

<b>Applications</b>	Mass Spectrometry SDS-PAGE Western blot
<b>Mass spectrometry</b>	MALDI-TOF
<b>Form</b>	Liquid

## Preparation and Storage

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### Stability and Storage

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

pH: 8.00

Constituents: 0.0154% DTT, 0.316% Tris HCl, 10% Glycerol (glycerin, glycerine)

## General Info

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### Function

Interconversion of 3- and 2-phosphoglycerate with 2,3-bisphosphoglycerate as the primer of the reaction. Can also catalyze the reaction of EC 5.4.2.4 (synthase) and EC 3.1.3.13 (phosphatase), but with a reduced activity.

### Tissue specificity

In mammalian tissues there are two types of phosphoglycerate mutase isozymes: type-M in muscles and type-B in other tissues.

### Sequence similarities

Belongs to the phosphoglycerate mutase family. BPG-dependent PGAM subfamily.

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## Images

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ab100885 (3 µg) on an SDS-PAGE gel (15%).



Western blot - Recombinant Human PGAM1 protein (ab100885)

**All lanes** : Anti-PGAM1 antibody (**ab96622**) at 1/1000 dilution

**Lane 1** : Recombinant Human PGAM1 protein (ab100885) at 0.1  $\mu$ g

**Lane 2** : Recombinant Human PGAM1 protein (ab100885) at 0.01  $\mu$ g

**Secondary**

**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (**ab97080**) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Exposure time:** 1 minute

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

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