

Product datasheet

Recombinant mouse PGAM1 protein (His tag) ab222452

1 Image

Description

Product name	Recombinant mouse PGAM1 protein (His tag)	
Biological activity	Specific activity is >150 units/mg, in which 1 unit will convert 1.0 μmole of 3-phosphoglycerate to 2-phosphoglycerate per minute at pH 7.6 at 37°C	
Purity	> 95 % SDS-PAGE. Purified by using conventional chromatography techniques.	
Expression system	Escherichia coli	
Accession	Q9DBJ1	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Mouse	
Sequence	MGSSHHHHHHSSGLVPRGSHMGSHMAAYKLVLRHG ESAWNLENRFSGWY DADLSPAGHEEAKRGGQALRDAGYEFDICFTSVQKRA IRTLWTVLDAIDQ MWLPVVRTWRLNERHYGGLTGLNKAETAAKHGAEQV KIWRRSYDVPPPPM EPDHPFYSNISKDRRYADLTEDQLPSCESLKDTIARAL PFWNEEMPQIK EGKRVLIAAHGNSLRGIVKHLEGLSEEAIMELNLPTGIPI VYELDKNLKP IKPMQFLGDEETVRKAMEAVAAQGVKK	
Predicted molecular weight	31 kDa including tags	
Amino acids	1 to 254	
Tags	His tag N-Terminus	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab222452** in the following tested applications.

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

Applications	SDS-PAGE
	Functional Studies

Mass spectrometry	MALDI-TOF
Form	Liquid

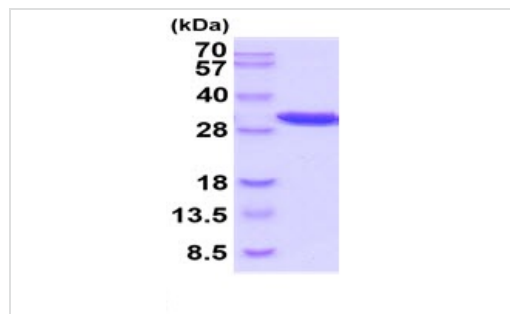
Preparation and Storage

Stability and Storage	<p>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.</p> <p>pH: 8.0</p> <p>Constituents: 0.02% DTT, 20% Glycerol, 0.58% Sodium chloride, 0.32% Tris HCl</p> <p>This product is an active protein and may elicit a biological response in vivo, handle with caution.</p>
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General Info

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.

Images



3 µg ab222452 analyzed by 15% SDS-PAGE.

SDS-PAGE - Recombinant mouse PGAM1 protein
(His tag) (ab222452)

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

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