PGAM1 Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	PGAM1, Blocking Peptide
Full Product Name	PGAM1 Peptide - C-terminal region
Product Gene Name	PGAM1 blocking peptide
Product Synonym Gene Name	PGAM-B; PGAMA
Sequence	HPFYSNISKD RRYADLTEDQ LPSCESLKDT IARALPFWNE EIVPQIKEGK
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	PGAM1 peptide (MBS3240297) is used for blocking the activity of PGAM1 antibody (MBS3215393)
Molecular Weight	28kDa
OMIM	300567
Product Categories/Family for PGAM1 blocking peptide	Peptide
Applications Tested/Suitable for PGAM1 blocking peptide	Western Blot (WB)
Related Product Information for PGAM1 blocking peptide	This is a synthetic peptide designed for use in combination with anti-PGAM1 Antibody, made Target Description: Phosphoglyceric acid mutase (EC 2.7.5.3) is widely distributed in mammalian tissues where it catalyzes the reversible reaction of 3-phosphoglycerate (3-PGA) to 2-phosphoglycerate (2-PGA) in the glycolytic pathway.
Other Notes	Small volumes of PGAM1 blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PGAM1 purchase	MBS3240297 is a blocking peptide targeting PGAM1. Also known as PGAM1 Peptide - C-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PGAM1. It may not necessarily be applicable to this product.

NCBI GI #	4505753
NCBI GeneID	5223
NCBI Accession #	NP_002620
UniProt Primary Accession #	Q8N0Y7
UniProt Related Accession #	P18669
GenBank Nucleotide #	NM_002629
NCBI Official Full Name	phosphoglycerate mutase 1 isoform 1

NCBI Official Synonym Full Names	phosphoglycerate mutase 1
NCBI Official Symbol	PGAM1
NCBI Official Synonym Symbols	PGAMA; PGAM-B; HEL-S-35
UniProt Protein Name	Probable phosphoglycerate mutase 4
Protein Family	Phosphoglycerate mutase
UniProt Gene Name	PGAM4
UniProt Synonym Gene Names	PGAM3
UniProt Entry Name	PGAM4_HUMAN
NCBI Protein Information	phosphoglycerate mutase 1
NCBI Summary for PGAM1	The protein encoded by this gene is a mutase that catalyzes the reversible reaction of 3-phosphoglycerate (3-PGA) to 2-phosphoglycerate (2-PGA) in the glycolytic pathway. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2015]
UniProt Comments for PGAM1	PGAM4: This intronless gene appears to have arisen from a retrotransposition event, yet it is thought to be an expressed, protein-coding gene. The encoded protein is a member of the phosphoglycerate mutase family, a set of enzymes that catalyze the transfer of a phosphate group from 3-phosphoglycerate to 2-phosphoglycerate. [provided by RefSeq, May 2010] Protein type: Carbohydrate Metabolism - glycolysis and gluconeogenesis; Phosphatase (non-protein); EC 3.1.3.13; EC 5.4.2.11; EC 5.4.2.4; Isomerase Chromosomal Location of Human Ortholog: Xq13 Molecular Function: phosphoglycerate mutase activity; bisphosphoglycerate mutase activity; bisphosphoglycerate phosphatase activity Biological Process: glycolysis; dephosphorylation
Research Articles on PGAM1	**1.** High PGAM1 expression is associated with Pancreatic Ductal Adenocarcinoma Metastasis.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/human-blocking-peptide/pgam1/3240297