PDE3A Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	PDE3A, Blocking Peptide
Full Product Name	PDE3A Blocking Peptide
Product Gene Name	PDE3A blocking peptide
Product Synonym Names	5''-cyclic phosphodiesterase A; cAMP phosphodiesterase myocardial cGMP inhibited; CGI PDE; CGI PDE A; CGI-PDE A; cGMP inhibited 3' 5' cyclic phosphodiesterase A; cGMP-inhibited 3''; Cyclic GMP inhibited phosphodiesterase A; Cyclic GMP-inhibited phosphodiesterase A; Human cGMP inhibited cAMP phosphodiesterase mRNA; PDE 3A; Pde3a; PDE3A_HUMAN; Phosphodiesterase 3A; Phosphodiesterase 3A cGMP inhibited
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 10 mg/ml.
Purity/Purification	The purity is >90%,tested by HPLC and MS.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	PDE3A peptide (MBS9628392) is used for blocking the activity of PDE3A antibody (MBS9609688)
Chromosome Location	**chromosome:** 12; **Location:**
OMIM	123805. gene.
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Notes	For phospho antibody, we provide phospho peptide (0.5mg) and non-phospho peptide (0.5mg)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for PDE3A blocking peptide	Blocking/Control
Related Product Information for PDE3A blocking peptide	Blocking peptides are peptides that bind specifically to the target antibody and block antibody binding. These peptide usually contains the epitope recognized by the antibody. Antibodies bound to the blocking peptide no longer bind to the epitope on the target protein. This mechanism is useful when non-specific binding is an issue, for example, in Western blotting (immunoblot) and immunohistochemistry (IHC). By comparing the staining from the blocked antibody versus the antibody alone, one can see which staining is specific; Specific binding will be absent from the western blot or immunostaining performed with the neutralized antibody.
Other Notes	Small volumes of PDE3A 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 PDE3A purchase	MBS9628392 is a blocking peptide targeting PDE3A.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PDE3A. It may not necessarily be applicable to this product.

NCBI GI #	70608155
NCBI GeneID	5139
NCBI Accession #	NP_000912.3
UniProt Primary Accession #	Q14432

UniProt Secondary Accession #	O60865; Q13348; Q17RD1
UniProt Related Accession #	Q14432
GenBank Nucleotide #	NM_000921.4
NCBI Official Full Name	cGMP-inhibited 3',5'-cyclic phosphodiesterase A [Homo sapiens]
NCBI Official Synonym Full Names	phosphodiesterase 3A, cGMP-inhibited
NCBI Official Symbol	PDE3A
NCBI Official Synonym Symbols	CGI-PDE; PDE3A
UniProt Protein Name	cGMP-inhibited 3',5'-cyclic phosphodiesterase A
UniProt Synonym Protein Names	Cyclic GMP-inhibited phosphodiesterase A
Protein Family	cGMP-inhibited 3',5'-cyclic phosphodiesterase
UniProt Gene Name	PDE3A
UniProt Entry Name	PDE3A_HUMAN
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.
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