PDE3A Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	PDE3A, Blocking Peptide
Full Product Name	PDE3A Peptide - N-terminal region
Product Gene Name	PDE3A blocking peptide
Product Synonym Gene Name	CGI-PDE; CGI-PDE A; CGI-PDE-A
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	PDE3A peptide (MBS3232294) is used for blocking the activity of PDE3A antibody (MBS3207329)
Molecular Weight	125kDa
OMIM	123805. gene.
Product Categories/Family for PDE3A blocking peptide	Peptide
Applications Tested/Suitable for PDE3A blocking peptide	Western Blot (WB)
Related Product Information for PDE3A blocking peptide	This is a synthetic peptide designed for use in combination with anti-PDE3A antibody made Target Description: PDE3A belongs to the cyclic nucleotide phosphodiesterase family. It hydrolyzes both cyclic AMP (cAMP) and cyclic GMP (cGMP).
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	MBS3232294 is a blocking peptide targeting PDE3A. Also known as PDE3A Peptide - N-terminal region.

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
UniProt Primary Accession #	Q14432
UniProt Related Accession #	Q14432
GenBank Nucleotide #	NM_000921
NCBI Official Full Name	cGMP-inhibited 3',5'-cyclic phosphodiesterase A isoform 1
NCBI Official Synonym Full Names	phosphodiesterase 3A
NCBI Official Symbol	PDE3A
NCBI Official Synonym Symbols	HTNB; CGI-PDE; CGI-PDE A; CGI-PDE-A

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
NCBI Protein Information	cGMP-inhibited 3',5'-cyclic phosphodiesterase A
NCBI Summary for PDE3A	This gene encodes a member of the cGMP-inhibited cyclic nucleotide phosphodiesterase (cGI-PDE) family. cGI-PDE enzymes hydrolyze both cAMP and cGMP, and play critical roles in many cellular processes by regulating the amplitude and duration of intracellular cyclic nucleotide signals. The encoded protein mediates platelet aggregation and also plays important roles in cardiovascular function by regulating vascular smooth muscle contraction and relaxation. Inhibitors of the encoded protein may be effective in treating congestive heart failure. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Sep 2011]
Research Articles on PDE3A	**1.** PDE3A is downregulated in chemoresistant NSCLC cells due to DNA hypermethylation.
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