Camp-Dependent Protein Kinase Inhibitor Alpha (PKIA) Bovine Recombinant Protein

PRODUCT OVERVIEW

Product Name	cAMP-dependent protein kinase inhibitor alpha (PKIA), Recombinant Protein
Full Product Name	Recombinant Bovine cAMP-dependent protein kinase inhibitor alpha (PKIA)
Product Gene Name	PKIA recombinant protein
Product Synonym Gene Name	PKIA
Sequence	TDVETTYADF IASGRTGRRN AIHDILVSSA SGNSNELALK LAGLDINKTE GEEDAQRNST EQSGEAQGEA AKSES
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	8,016 Da
Sequence Positions	2-76, full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q3SX13
Species	Bovine
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PKIA recombinant protein	This protein is a member of the cAMP-dependent protein kinase (PKA) inhibitor family. This protein was demonstrated to interact with and inhibit the activities of both C alpha and C beta catalytic subunits of the PKA. Alternatively spliced transcript variants encoding the same protein have been reported.
Other Notes	Small volumes of PKIA recombinant protein 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 PKIA purchase	MBS1345157 is a recombinant protein targeting PKIA. Also known as Recombinant Bovine cAMP-dependent protein kinase inhibitor alpha (PKIA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

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

NCBI GI #	83035109
NCBI GeneID	613524
NCBI Accession #	NP_001032709.1
UniProt Primary Accession #	Q3SX13

UniProt Related Accession #	Q3SX13
GenBank Nucleotide #	NM_001037620.2
NCBI Official Full Name	cAMP-dependent protein kinase inhibitor alpha
NCBI Official Synonym Full Names	cAMP-dependent protein kinase inhibitor alpha
NCBI Official Symbol	PKIA
UniProt Protein Name	cAMP-dependent protein kinase inhibitor alpha
Protein Family	cAMP-dependent protein kinase
UniProt Gene Name	PKIA
UniProt Synonym Gene Names	PKI-alpha
NCBI Protein Information	cAMP-dependent protein kinase inhibitor alpha
UniProt Comments for PKIA	Extremely potent competitive inhibitor of cAMP-dependent protein kinase activity, this protein interacts with the catalytic subunit of the enzyme after the cAMP-induced dissociation of its regulatory chains.
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