PPP2R5E Blocking Peptide (C-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	PPP2R5E, Blocking Peptide
Full Product Name	PPP2R5E Blocking Peptide (C-term)
Product Gene Name	PPP2R5E blocking peptide
Product Synonym Names	Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit epsilon isoform; PP2A B subunit isoform B'-epsilon; PP2A B subunit isoform B56-epsilon; PP2A B subunit isoform PR61-epsilon; PP2A B subunit isoform R5-epsilon; PPP2R5E
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 1 mg/ml.
Specificity	The synthetic peptide sequence is selected from aa 448-462 of HUMAN PPP2R5E
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	PPP2R5E peptide (MBS9230105) is used for blocking the activity of PPP2R5E antibody (MBS9216153)
Molecular Weight	46,180 Da
OMIM	601647
Cellular Location	Cytoplasm.
Related Product Information for PPP2R5E blocking peptide	The B regulatory subunit might modulate substrate selectivity and catalytic activity, and also might direct the localization of the catalytic enzyme to a particular subcellular compartment.
Other Notes	Small volumes of PPP2R5E 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 PPP2R5E purchase	MBS9230105 is a blocking peptide targeting PPP2R5E. Also known as PPP2R5E Blocking Peptide (C-term).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PPP2R5E. It may not necessarily be applicable to this product.

NCBI GI #	7387498
NCBI GeneID	5529
NCBI Accession #	Q16537.1
UniProt Primary Accession #	Q16537
UniProt Secondary Accession #	Q52LW4; A4FU37; B7ZAW5; B7ZKK8; B7ZKK9; J3KQN6
UniProt Related Accession #	Q16537
NCBI Official Full Name	Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit epsilon isoform
NCBI Official Synonym Full Names	protein phosphatase 2 regulatory subunit B'epsilon
NCBI Official Symbol	PPP2R5E
UniProt Protein Name	Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit epsilon isoform

UniProt Synonym Protein Names	PP2A B subunit isoform B'-epsilon; PP2A B subunit isoform B56-epsilon; PP2A B subunit isoform PR61-epsilon; PP2A B subunit isoform R5-epsilon
Protein Family	Serine/threonine-protein phosphatase
UniProt Gene Name	PPP2R5E
UniProt Entry Name	2A5E_HUMAN
NCBI Protein Information	serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit epsilon isoform
NCBI Summary for PPP2R5E	The protein encoded by this gene belongs to the phosphatase 2A regulatory subunit B family. Protein phosphatase 2A is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. The B regulatory subunit might modulate substrate selectivity and catalytic activity. This gene encodes an epsilon isoform of the regulatory subunit B56 subfamily. Multiple transcript variants encoding several different isoforms have been found for this gene. [provided by RefSeq, Aug 2013]
UniProt Comments for PPP2R5E	PPP2R5E: The B regulatory subunit might modulate substrate selectivity and catalytic activity, and also might direct the localization of the catalytic enzyme to a particular subcellular compartment. Belongs to the phosphatase 2A regulatory subunit B56 family. Protein type: Protein phosphatase, regulatory subunit; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 14q23.1 Cellular Component: cytoplasm Molecular Function: protein binding
Research Articles on PPP2R5E	**1.** PP2A holoenzyme containing B56 is responsible for the dephosphorylation of gamma-H2AX and regulation of DNA repair of double strand breaks induced by camptothecin.
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