NPEPPS Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	NPEPPS, Blocking Peptide
Full Product Name	NPEPPS Peptide - middle region
Product Gene Name	NPEPPS blocking peptide
Product Synonym Gene Name	PSA; AAP-S; MP100
Sequence	Synthetic peptide located within the following region: FDISLVVPKD RVALSNMNVI DRKPYPDDEN LVEVKFARTP VMSTYLVAFV
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	NPEPPS peptide (MBS3245293) is used for blocking the activity of NPEPPS antibody (MBS3220492)
Molecular Weight	103 kDa
OMIM	606793
Product Categories/Family for NPEPPS blocking peptide	Peptide
Applications Tested/Suitable for NPEPPS blocking peptide	Western Blot (WB)
Related Product Information for NPEPPS blocking peptide	This gene encodes the puromycin-sensitive aminopeptidase, a zinc metallopeptidase which hydrolyzes amino acids from the N-terminus of its substrate. The protein has been localized to both the cytoplasm and to cellular membranes. This enzyme degrades enkaphalins in the brain, and studies in mouse suggest that it is involved in proteolytic events regulating the cell cycle.
Other Notes	Small volumes of NPEPPS 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 NPEPPS purchase	MBS3245293 is a blocking peptide targeting NPEPPS. Also known as NPEPPS Peptide - middle region. Reactive in Human.

ADDITIONAL DETAILS

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

NCBI GI #	158937236
NCBI GeneID	9520
NCBI Accession #	NP_006301.3
UniProt Primary Accession #	P55786
UniProt Related Accession #	P55786
GenBank Nucleotide #	NM_006310.3
NCBI Official Full Name	puromycin-sensitive aminopeptidase isoform 1

NCBI Official Synonym Full Names	aminopeptidase puromycin sensitive
NCBI Official Symbol	NPEPPS
NCBI Official Synonym Symbols	PSA; AAP-S; MP100
UniProt Protein Name	Puromycin-sensitive aminopeptidase
UniProt Synonym Protein Names	Cytosol alanyl aminopeptidase; AAP-S
UniProt Gene Name	NPEPPS
UniProt Synonym Gene Names	PSA; PSA; AAP-S
UniProt Entry Name	PSA_HUMAN
NCBI Protein Information	puromycin-sensitive aminopeptidase
Research Articles on NPEPPS	**1.** cytosolic peptidases(puromycin-sensitive aminopeptidase (PSA), aminopeptidase B (APB) and pyroglutamyl-peptidase I (PGI)) may be involved in colorectal carcinogenesis
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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