UPB1 Blocking Peptide

PRODUCT OVERVIEW

Product Name	UPB1, Blocking Peptide
Full Product Name	UPB1 Blocking Peptide
Product Gene Name	UPB1 blocking peptide
Product Synonym Names	AI195023; Beta alanine synthase; Beta ureidopropionase; BUP1; N carbamoyl beta alanine amidohydrolase; Ureidopropionase, beta
Antibody/Peptide Pairs	UPB1 peptide (MBS9633179) is used for blocking the activity of UPB1 antibody (MBS9630796)
Molecular Weight	43,166 Da
OMIM	AF163312 mRNA
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.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for UPB1 blocking peptide	MBS9633179 is a blocking peptide targeting UPB1.
Other Notes	Small volumes of UPB1 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UPB1. It may not necessarily be applicable to this product.

NCBI GI #	7706509
NCBI GeneID	51733
NCBI Accession #	NP_057411.1
UniProt Primary Accession #	Q9UBR1
UniProt Secondary Accession #	Q9UIR3; A3KMF8
UniProt Related Accession #	Q9UBR1
GenBank Nucleotide #	NM_016327.2
NCBI Official Full Name	beta-ureidopropionase
NCBI Official Synonym Full Names	beta-ureidopropionase 1
NCBI Official Symbol	UPB1
NCBI Official Synonym Symbols	BUP1
UniProt Protein Name	Beta-ureidopropionase
UniProt Synonym Protein Names	BUP-1; Beta-alanine synthase; N-carbamoyl-beta-alanine amidohydrolase
Protein Family	Transcription factor
UniProt Gene Name	UPB1

UniProt Synonym Gene Names	BUP1
NCBI Protein Information	beta-ureidopropionase
NCBI Summary for UPB1	This gene encodes a protein that belongs to the CN hydrolase family. Beta-ureidopropionase catalyzes the last step in the pyrimidine degradation pathway. The pyrimidine bases uracil and thymine are degraded via the consecutive action of dihydropyrimidine dehydrogenase (DHPDH), dihydropyrimidinase (DHP) and beta-ureidopropionase (UP) to beta-alanine and beta-aminoisobutyric acid, respectively. UP deficiencies are associated with N-carbamyl-beta-amino aciduria and may lead to abnormalities in neurological activity. [provided by RefSeq, Jul 2008]
UniProt Comments for UPB1	Converts N-carbamoyl-beta-aminoisobutyrate and N-carbamoyl-beta-alanine (3-ureidopropanoate) to, respectively, beta-aminoisobutyrate and beta-alanine, ammonia and carbon dioxide.
Research Articles on UPB1	**1.** The c.977G>A (p.R326Q) is the most common mutation of the UPB1 gene in Chinese. The predicted incidence indicates that beta-ureidopropionase deficiency is significantly underdiagnosed in the Chinese population.
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