DAZAP1 Blocking Peptide

PRODUCT OVERVIEW

Product Name	DAZAP1, Blocking Peptide
Full Product Name	DAZAP1 Peptide
Product Gene Name	DAZAP1 blocking peptide
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	DAZAP1 peptide (MBS3230509) is used for blocking the activity of DAZAP1 antibody (MBS3205546)
Molecular Weight	45kDa
OMIM	607430
Product Categories/Family for DAZAP1 blocking peptide	Peptide
Applications Tested/Suitable for DAZAP1 blocking peptide	Immunohistochemistry (IHC), Western Blot (WB)
Related Product Information for DAZAP1 blocking peptide	This is a synthetic peptide designed for use in combination with anti-DAZAP1 antibody made Target Description: In mammals, the Y chromosome directs the development of the testes and plays an important role in spermatogenesis. A high percentage of infertile men have deletions that map to regions of the Y chromosome. The DAZ (deleted in azoospermia) gene cluster maps to the AZFc region of the Y chromosome and is deleted in many azoospermic and severely oligospermic men. It is thought that the DAZ gene cluster arose from the transposition, amplification, and pruning of the ancestral autosomal gene DAZL also involved in germ cell development and gametogenesis. DAZAP1 is a RNA-binding protein with two RNP motifs that was originally identified by its interaction with the infertility factors DAZ and DAZL.In mammals, the Y chromosome directs the development of the testes and plays an important role in spermatogenesis. A high percentage of infertile men have deletions that map to regions of the Y chromosome. The DAZ (deleted in azoospermia) gene cluster maps to the AZFc region of the Y chromosome and is deleted in many azoospermic and severely oligospermic men. It is thought that the DAZ gene cluster arose from the transposition, amplification, and pruning of the ancestral autosomal gene DAZL also involved in germ cell development and gametogenesis. This gene encodes a RNA-binding protein with two RNP motifs that was originally identified by its interaction with the infertility factors DAZ and DAZL. Two isoforms are encoded by transcript variants of this gene.In mammals, the Y chromosome directs the development of the testes and plays an important role in spermatogenesis. A high percentage of infertile men have deletions that map to regions of the Y chromosome. The DAZ (deleted in azoospermia) gene cluster maps to the AZFc region of the Y chromosome and is deleted in many azoospermic and severely oligospermic men. It is thought that the DAZ gene cluster arose from the transposition, amplification, and pruning of the ancestral autosomal gene DAZL also involved in germ cell development and gametogenesis. This gene encodes a RNA-binding protein with two RNP motifs that was originally identified by its interaction with the infertility factors DAZ and DAZL. Two isoforms are encoded by transcript variants of this gene.
Other Notes	Small volumes of DAZAP1 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 DAZAP1 purchase	MBS3230509 is a blocking peptide targeting DAZAP1. Also known as DAZAP1 Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DAZAP1. It may not necessarily be applicable to this product.

NCBI GI #	25470886
NCBI GeneID	26528
NCBI Accession #	NP_061832
UniProt Primary Accession #	Q96EP5
UniProt Related Accession #	Q96EP5
GenBank Nucleotide #	NM_018959
NCBI Official Full Name	DAZ-associated protein 1 isoform b
NCBI Official Synonym Full Names	DAZ associated protein 1
NCBI Official Symbol	DAZAP1
UniProt Protein Name	DAZ-associated protein 1
UniProt Synonym Protein Names	Deleted in azoospermia-associated protein 1
Protein Family	DAZ-associated protein
UniProt Gene Name	DAZAP1
UniProt Entry Name	DAZP1_HUMAN
NCBI Protein Information	DAZ-associated protein 1
NCBI Summary for DAZAP1	In mammals, the Y chromosome directs the development of the testes and plays an important role in spermatogenesis. A high percentage of infertile men have deletions that map to regions of the Y chromosome. The DAZ (deleted in azoospermia) gene cluster maps to the AZFc region of the Y chromosome and is deleted in many azoospermic and severely oligospermic men. It is thought that the DAZ gene cluster arose from the transposition, amplification, and pruning of the ancestral autosomal gene DAZL also involved in germ cell development and gametogenesis. This gene encodes a RNA-binding protein with two RNP motifs that was originally identified by its interaction with the infertility factors DAZ and DAZL. Two isoforms are encoded by transcript variants of this gene. [provided by RefSeq, Jul 2008]
Research Articles on DAZAP1	**1.** Data indicate that DAZAP1 exerts a suppressive effect on cox6c pre-mRNA splicing and reduced DAZAP1 expression increases the COX6C protein level, leading to cell growth retardation.
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