DAZL Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	DAZL, Blocking Peptide
Full Product Name	DAZL Blocking Peptide
Product Gene Name	DAZL blocking peptide
Product Synonym Names	DAZ homolog; DAZ like autosomal; DAZ-like autosomal; DAZH; DAZL 1; DAZL; DAZL_HUMAN; DAZL1; DAZLA; Deleted in azoospermia like 1; Deleted in azoospermia like; Deleted in azoospermia like autosomal; Deleted in azoospermia-like 1; Deleted in azoospermia-like; Germline specific RNA binding protein; MGC26406; Spermatogenesis gene on the Y like autosomal; SPGY like autosomal; SPGY-like-autosomal; SPGYLA; Tpx2
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 10 mg/ml.
Purity/Purification	The purity is >90%,tested by HPLC and MS.
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	DAZL peptide (MBS9627340) is used for blocking the activity of DAZL antibody (MBS9608628)
Molecular Weight	35,224 Da
OMIM	601486
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.
Notes	For phospho antibody, we provide phospho peptide (0.5mg) and non-phospho peptide (0.5mg)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for DAZL blocking peptide	Blocking/Control
Related Product Information for DAZL blocking peptide	Blocking peptides are peptides that bind specifically to the target antibody and block antibody binding. These peptide usually contains the epitope recognized by the antibody. Antibodies bound to the blocking peptide no longer bind to the epitope on the target protein. This mechanism is useful when non-specific binding is an issue, for example, in Western blotting (immunoblot) and immunohistochemistry (IHC). By comparing the staining from the blocked antibody versus the antibody alone, one can see which staining is specific; Specific binding will be absent from the western blot or immunostaining performed with the neutralized antibody.
Other Notes	Small volumes of DAZL 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 DAZL purchase	MBS9627340 is a blocking peptide targeting DAZL.

ADDITIONAL DETAILS

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

NCBI GI #	299829262
NCBI GeneID	1618
NCBI Accession #	NP_001177740.1
UniProt Primary Accession #	Q92904

UniProt Secondary Accession #	O15396; Q5HYB4; Q92909
UniProt Related Accession #	Q92904
GenBank Nucleotide #	NM_001190811.1
NCBI Official Full Name	deleted in azoospermia-like isoform 1
NCBI Official Synonym Full Names	deleted in azoospermia-like
NCBI Official Symbol	DAZL
NCBI Official Synonym Symbols	DAZH; DAZL1; DAZLA; SPGYLA
UniProt Protein Name	Deleted in azoospermia-like
UniProt Synonym Protein Names	DAZ homolog; DAZ-like autosomal; Deleted in azoospermia-like 1; SPGY-like-autosomal
Protein Family	Deleted in azoospermia
UniProt Gene Name	DAZL
UniProt Synonym Gene Names	DAZH; DAZL1; DAZLA; SPGYLA
UniProt Entry Name	DAZL_HUMAN
NCBI Protein Information	deleted in azoospermia-like; DAZ homolog; DAZ-like autosomal; SPGY-like-autosomal; deleted in azoospermia-like 1; germline specific RNA binding protein; spermatogenesis gene on the Y-like autosomal
NCBI Summary for DAZL	The DAZ (Deleted in AZoospermia) gene family encodes potential RNA binding proteins that are expressed in prenatal and postnatal germ cells of males and females. The protein encoded by this gene is localized to the nucleus and cytoplasm of fetal germ cells and to the cytoplasm of developing oocytes. In the testis, this protein is localized to the nucleus of spermatogonia but relocates to the cytoplasm during meiosis where it persists in spermatids and spermatozoa. Transposition and amplification of this autosomal gene during primate evolution gave rise to the DAZ gene cluster on the Y chromosome. Mutations in this gene have been linked to severe spermatogenic failure and infertility in males. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]
UniProt Comments for DAZL	DAZL: RNA-binding protein, which is essential for gametogenesis. Plays a central role during spermatogenesis. May act by binding to the 3'-UTR of mRNA and thereby regulating the translation of key transcripts. Homodimer and heterodimer. Forms a heterodimer with DAZ. Interacts with BOLL, DAZAP1 and DAZAP2. Interacts with PUM2. Testis specific. Belongs to the RRM DAZ family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Translation Chromosomal Location of Human Ortholog: 3p24.3 Cellular Component: polysome; cytoplasm; nucleus Molecular Function: identical protein binding; protein binding; translation activator activity; mRNA 3'-UTR binding; RNA binding; nucleotide binding Biological Process: positive regulation of translational initiation; positive regulation of meiosis; female meiosis II; multicellular organismal development; spermatogenesis; oocyte maturation; germ cell development
Research Articles on DAZL	**1.** analysis of T12A and T54A polymorphisms role in the development of male infertility (Meta-Analysis)
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