Deleted in Azoospermia-Like (DAZL) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Deleted in azoospermia-like (Dazl), Recombinant Protein
Full Product Name	Recombinant Mouse Deleted in azoospermia-like (Dazl)
Product Gene Name	Dazl recombinant protein
Product Synonym Gene Name	Dazl
Sequence	MSATTSEAPN SAVSREASTQ SSSATTSQGY VLPEGKIMPN TVFVGGIDVR MDETEIRSFF ARYGSVKEVK IITDRTGVSK GYGFVSFYND VDVQKIVESQ INFHGKKLKL GPAIRKQNLC TYHVQPRPLI FNPPPPPQFQ SVWSSPNAET YMQPPTMMNP ITQYVQAYPP YPSSPVQVIT GYQLPVYNYQ MPPQWPAGEQ RSYVIPPAYT TVNYHCSEVD PGADILPNEC SVHDAAPASG NGPQKKSVDR SIQTVVSCLF NPENRLRNSL VTQDDYFKDK RVHHFRRSRA VLKSDHLC
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	33,313 Da
Sequence Positions	1-298, full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q64368
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Dazl recombinant protein	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. This protein 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.
Other Notes	Small volumes of Dazl recombinant protein 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	MBS1436948 is a recombinant protein targeting Dazl. Also known as Recombinant Mouse Deleted in azoospermia-like (Dazl). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

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

NCBI GI #	482677653
NCBI GeneID	13164
NCBI Accession #	NP_001264792.1
UniProt Primary Accession #	Q64368
UniProt Related Accession #	Q64368
GenBank Nucleotide #	NM_001277863.1
NCBI Official Full Name	deleted in azoospermia-like isoform 2
NCBI Official Synonym Full Names	deleted in azoospermia-like
NCBI Official Symbol	Dazl
NCBI Official Synonym Symbols	Dazh; Tpx2; Dazl1; Dazla; Tpx-2; Daz-like
UniProt Protein Name	Deleted in azoospermia-like
UniProt Synonym Protein Names	DAZ-like autosomal; Deleted in azoospermia-like 1
Protein Family	Deleted in azoospermia
UniProt Gene Name	Dazl
UniProt Synonym Gene Names	Dazl1; Dazla
NCBI Protein Information	deleted in azoospermia-like
NCBI Summary for Dazl	This gene encodes a member of the depleted in azoospermia-like (DAZL) protein family. Members of this family contain an RNA recognition motif, interact with poly A binding proteins, and may be involved in the initiation of translation. The encoded protein is expressed in the cytoplasm of pluripotent stem cells, and in both male and female germ cells, where it is essential for gametogenesis. Disruption of this gene is associated with infertility. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2013]
UniProt Comments for Dazl	RNA-binding protein, which is essential for gametogenesis in both males and females. Plays a central role during spermatogenesis. Acts by binding to the 3'-UTR of mRNA, specifically recognizing GUU triplets, and thereby regulating the translation of key transcripts.
Research Articles on Dazl	**1.** Down-regulated expression of Sox9 and Dazl may play important roles in MBP-induced testis injury.
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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