

Product datasheet for MR222245

Dazl (NM_010021) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dazl (NM_010021) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dazl
Synonyms:	Da; Daz-l; Daz-like; Dazh; Dazl1; Dazla; Tpx; Tpx-; Tpx-2; Tpx2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR222245 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCTGCCACAACCTTCTGAGGCTCCAAATTCAGCTGTCTCCAGGGAGGCCAGCACTCAGTCTTCATCAG
CAACCACAAGTCAAGGATATGTTTTGCCAGAAGGCAAAATCATGCCAAACACCGTTTTTGTGGAGGAAT
TGATGTTAGGATGGATGAAACCGAAATCAGGAGTTTCTTTGCCAGATATGGCTCAGTAAAAGAAGTGAAG
ATAATCACTGATCGAACTGGTGTGTCGAAGGGCTATGGATTTGTCTCATTTTATAATGACGTGGATGTGC
AGAAGATAGTAGAATCACAGATAAATTTCCATGGTAAAAAGCTGAACTGGGCCCTGCAATCAGGAAACA
AAATTTATGACTTATCATGTGCAGCCAGTCCTTTGATTTTTAATCCTCCTCCTCCACCACAGTCCAG
AGTGTGGAGTAGTCCAAATGCTGAGACTTACATGCAGCCTCCAACCATGATGAATCCTATCACTCAGT
ATGTTCCAGGCATATCCTCCTTATCCAAGTTCACCAGTTCGGGTCACTGGATATCAGCTGCCTGTTTA
TAACTACCAGATGCCACCGCAGTGGCCTGCTGGAGAGCAGAGGAGTTATGTTATACCTCCGGCTTATACA
ACTGTTAACTACCACTGCAGTGAAGTTGATCCAGGAGCTGATTTTTGCCAATGAATGTTCAAGTTCATG
ATGCTGCTCCAGCTTCTGGAAATGGCCCGCAAAAGAAGTCTGTGGACCGAAGCATACAGACAGTGGTCTC
TTGTCTGTTTAAACCCTGAGAACAGGCTGAGAACTCTCTTGTACTCAAGATGACTACTTCAAGGATAAA
AGAGTACATCACTTCAGAAGAAGTCGGGCAGTGCTTAAATCTGATCATCTCTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR222245 protein sequence
Red=Cloning site Green=Tags(s)

MSATTSEAPNSAVSREASTQSSSATTSSQGYVLPPEGKIMPNTVFVGGIDVRMDETEIRSFARYGSVKEVK
 IITDRTGVSKGYGFVSFYNDVDVQKIVESQINFHGKLLKLGPAIRKQNLCTYHVQPRPLIFNPPPPQFQ
 SVWSSPNAETYMQPPTMMNPITQYVQAYPPYSSPVRVITGYQLPVYNYQMPWPAGEQRSYVIPPAYT
 TVNYHCSEVDPGADILPNECSVHDAAPASGNPQKKSVDRSIQTVVSSCLFNPENRLRNSLVTQDDYFKDK
 RVHFFRRSRAVLKSDHLC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_010021

ORF Size: 897 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_010021.1](#), [NM_010021.2](#), [NM_010021.3](#), [NM_010021.4](#), [NM_010021.5](#), [NP_034151.3](#)

RefSeq Size: 2964 bp

RefSeq ORF: 897 bp

Locus ID: 13164

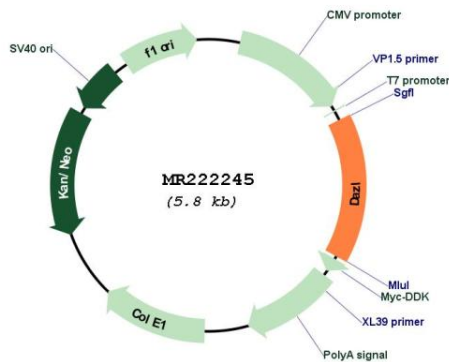
UniProt ID: [Q64368](#)

Cytogenetics: 17 25.86 cM

MW: 33.3 kDa

Gene Summary: 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]

Product images:



Circular map for MR222245