

Product datasheet for **MC226765**

Dazl (NM_001277863) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dazl (NM_001277863) Mouse Untagged Clone
Tag: Tag Free
Symbol: Dazl
Synonyms: Da; Daz-l; Daz-like; Dazh; Dazl1; Dazla; Tpx; Tpx-; Tpx-2; Tpx2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226765 representing NM_001277863
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCTGCCACACTTCTGAGGCTCAAATTCAGCTGTCTCCAGGGAGGCCAGCACTCAGTCTTCATCAG
CAACCACAAGTCAAGGATATGTTTGCCAGAAGGCAAAATCATGCCAAACACCGTTTTTGTGGAGGAAT
TGATGTTAGGATGGATGAAACCGAAATCAGGAGTTTCTTGCCAGATATGGCTCAGTAAAAGAAGTGAAG
ATAATCACTGATCGAACTGGTGTGTCGAAGGGCTATGGATTTGTCTCATTTTATAATGACGTGGATGTGC
AGAAGATAGTAGAATCACAGATAAATTTCCATGGTAAAAAGCTGAACTGGGCCCTGCAATCAGGAAACA
AAATTTATGACTTATCATGTGCAGCCACGTCCTTTGATTTTTAATCCTCCTCCTCCACCACAGTCCAG
AGTGTGGAGTAGTCCAAATGCTGAGACTTACATGCAGCCTCAACCATGATGAATCCTATCACTCAGT
ATGTTCCAGGCATATCCTCCTTATCCAAGTTCACCAGTTCAGGTCATCACTGGATATCAGTGCCTGTTTA
TAACTACCAGGCTTATACTAACTGTTAACTACCAGTGCAGTGAAGTTGATCCAGGAGCTGATATTTGCC
AATGAATGTTCAAGTTCATGATGCTGCTCCAGTCTGGAATGGCCCGCAAAGAAGTCTGTGGACCGAA
GCATACAGACAGTGGTCTTTGTCTGTTAACCCTGAGAACAGACTGAGAACTCTTTGTTACTCAAGA
TGACTACTTCAAGGATAAAGAGTACATCACTCAGAAGAAGTCGGGCAGTGTCTAAATCTGATCATCTC
TGCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001277863
Insert Size: 846 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001277863.1</u> , <u>NP_001264792.1</u>
RefSeq Size:	2913 bp
RefSeq ORF:	846 bp
Locus ID:	13164
UniProt ID:	<u>Q64368</u>
Cytogenetics:	17 25.86 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2, also known as Dazl_delta8) lacks an in-frame exon in the coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1. There are no full-length transcripts supporting this variant; it is supported by data in PMID:23298641, with additional support from the partial transcript AW557186.2.</p>