

Product datasheet for **MG222245**

Dazl (NM_010021) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dazl (NM_010021) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dazl
Synonyms:	Da; Daz-l; Daz-like; Dazh; Dazl1; Dazla; Tpx; Tpx-; Tpx-2; Tpx2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG222245 representing NM_010021 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGCCACAACCTTCTGAGGCTCCAAATTCAGCTGTCTCCAGGGAGGCCAGCACTCAGTCTTCATCAG
CAACCACAAGTCAAGGATATGTTTTGCCAGAAGGCAAAATCATGCCAAACACCGTTTTTGTGGAGGAAT
TGATGTTAGGATGGATGAAACCGAAATCAGGAGTTTCTTTGCCAGATATGGCTCAGTAAAAGAAGTGAAG
ATAATCACTGATCGAACTGGTGTGTCGAAGGGCTATGGATTTGTCTCATTTTATAATGACGTGGATGTGC
AGAAGATAGTAGAATCACAGATAAATTTCCATGGTAAAAAGCTGAACTGGGCCCTGCAATCAGGAAACA
AAATTTATGTAATCATGTGCAGCCAGTCTTTGATTTTTAATCCTCCTCCTCCACCACAGTCCAG
AGTGTGGAGTAGTCCAAATGCTGAGACTTACATGCAGCCTCCAACCATGATGAATCCTATCACTCAGT
ATGTTCCAGGCATATCCTCCTTATCCAAGTTCACCAGTTCGGGTCACTCAGTGGATATCAGCTGCCTGTTTA
TAACTACCAGATGCCACCGCAGTGGCCTGCTGGAGAGCAGAGGAGTTATGTTATACCTCCGGCTTATACA
ACTGTTAACTACCACTGCAGTGAAGTTGATCCAGGAGCTGATTTTTGCCAATGAATGTTCAAGTTCATG
ATGCTGCTCCAGCTTCTGGAAATGGCCCGCAAAAGAAGTCTGTGGACCGAAGCATACAGACAGTGGTCTC
TTGTCTGTTAAACCCTGAGAACAGGCTGAGAACTCTCTTGTACTCAAGATGACTACTTCAAGGATAAA
AGAGTACATCACTTCAGAAGAAGTCGGGCAGTGCTTAAATCTGATCATCTCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG222245 representing NM_010021
 Red=Cloning site Green=Tags(s)

MSATTSEAPNSAVSREASTQSSSATTSSQGYVLPPEGKIMPNTVFVGGIDVRMDETEIRSFARYGSVKEVK
 IITDRTGVSKGYGFVSFYNDVDVQKIVESQINFHGKLLKLP A I R K Q N L C T Y H V Q P R P L I F N P P P P P Q F Q
 SVWSSPNAETYMQPPTMMNPITQYVQAYPPYPSSPVRVITGYQLPVYNYQMPWPAGEQRSYVIPPAYT
 TVNYHCSEVDPGADILPNECSVHDAAPASGNPQKKSVDRSIQT V V S C L F N P E N R L R N S L V T Q D D Y F K D K
 RVHHRFRSRVAVLKS D H L C

TRTRPLE - GFP Tag - V

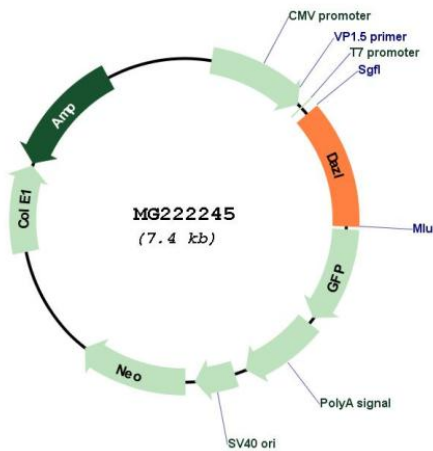
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_010021

ORF Size: 894 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:	<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:	NM_010021.4 , NP_034151.3
RefSeq Size:	2942 bp
RefSeq ORF:	897 bp
Locus ID:	13164
UniProt ID:	Q64368
Cytogenetics:	17 25.86 cM
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]