

Product datasheet for **MR222791**

Mzt1 (NM_175245) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: Myc-DDK
Symbol: Mzt1
Synonyms: 2410129H14Rik; AII20158; Mozart1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR222791 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCGAGCGGTAGCGGCCCGGGCGCGGCCTCGGCCAACCTGAACGCGGTGAGGGAGACCATGGACG
TTCTGCTTGAGATTTCAAGAATTTTGAATACCGGCTTAGATATGGAACGCTGTCTATTTGTGTACGGCT
TTGTGAACAAGGAATCAACCCAGAAGCCTATCGTCTGTTATTAAGGAGCTTCGAAGGGTACTGAGGCA
CTAAAGGCTGCTGAAACACAAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR222791 protein sequence
Red=Cloning site Green=Tags(s)

MASGSGPGAASANLNAVRETMVLLEISRIILNTGLDMETLSICVRLCEQGINPEALSSVIKELRKGTEA
LKAAENTS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_175245

ORF Size: 234 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.

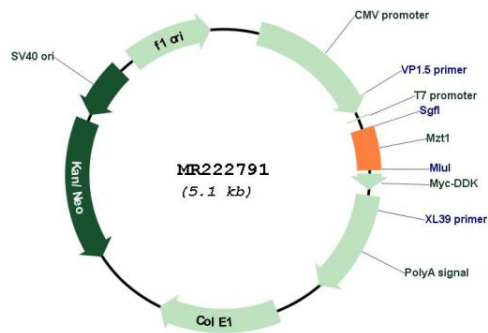
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_175245.4 , NP_780454.1
RefSeq Size:	2256 bp
RefSeq ORF:	237 bp
Locus ID:	76789
UniProt ID:	Q8BUR9
Cytogenetics:	14 E2.2
MW:	8.1 kDa
Gene Summary:	Required for gamma-tubulin complex recruitment to the centrosome.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222791