

Product datasheet for **MG220986**

Zbtb20 (NM_019778) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zbtb20 (NM_019778) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zbtb20
Synonyms:	1300017A20Rik; 7330412A13Rik; A930017C21Rik; D16Wsu73e; DPZF; HOF; ODA-8S; Oda8; Zfp288
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG220986 representing NM_019778
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTAGAACGGAAGAAACCCAAGACAGCTGAAAACCAGAAGGCATCTGAGGAGAATGAGATTACTCAGC
CGGGCGGATCCAGCGCCAAGCCGGCCCTTCCCTGCCTGAACTTTGAAGCTGTTTTGTCTCCAGCCCAGC
CCTCATCCACTCGACACATTCACTGACAACTCTCACGCTCACACCGGGTCATCTGATTGTGACATCAGT
TGCAAGGGGATGACCGAGCGCATTACAGCATCAACCTTCACAACCTTCAGCAATTCGGTGTGAGACCC
TCAACGAGCAGCGCAACCGTGGCCACTTCTGTGACGTGACGGTTCGCATCCACGGGAGCATGCTGCGCGC
ACATCGTGTGCTGGCAGCCGGCAGCCCTTCTTCCAAGACAAGCTGCTGCTGGGCTACAGCGACATC
GAAATCCCGTCCGTGGTGTCCGTACAATCGGTGCAAAAGCTCATTGACTTCATGTACAGCGGTGTGCTGA
GAGTCTCACAGTCGGAAGCTCTGCAGATCCTCACAGCCGCCAGCATCCTGCAGATCAAAACAGTCATAGA
TGAGTGCCTCGCATCGTGTACAGAACGTGGGCGATGTGTTCCAGGCATCCAGGATTCGGCCAGGAC
ACACCAAGAGGCACACCAGAGTCAGGCACATCTGGCCAGAGCAGTGACACGGAATCAGGCTACCTGCAGA
GCCACCCACAGCATAGTGTGGACCGAATCTACTCCGCACTCTACGCCCTGCTCCATGCAGAATGGCAGCGG
CGAGCGCTCCTTCTACAGTGGTGCAGTGGTCAGCCACCACGAAACAGCTCTCGGCCCTGCCCGTGACCAC
CACATGGAAGACCCTAGCTGGATCACACGCATTATGAGCGCTCCAGCAAAATGGAGCGCTACCTGTCCA
CCACCCCTGAGACCAGCACTGCCGGAAGCAGCCCGGCCCTGTGCGTATCCAGACCCTGGTGGGTAAACAT
CCACATCAAGCAGGAAATGGAAGATGACTATGACTACTATGGGCAGCAAAGGGTGCAGATCCTAGAACGC
AATGAATCCGAGGAGTGACACAGAAGACTGACCAAGCAGAGGGCACTGAGAGCGAGCCAAAGGTGAAA
GCTTTGATTCTGGGGTCAGCTCCTCCATCGGCACCGAACCTGACTCAGTGGAGCAACAGTTTGGGCCAG
AGCCCCAAGGGACGGTCAGGCAGAACCCGCCAACCTGAGCAGGCAGCAGAAGCCCCAGCTGAGAGCAGT
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GTGCAGCATCTGCTGGCGCTCCTTCTCCTTGAAGGATTACCTTATCAAGCACATGGTGACGCACACCCGGC
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GCCTGCACCGCGGGGAGAAGTCCATGAGTGTACATCTGCAAAAAGAAGTTCTCCACAAAGACCCTGCT
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GCGGGTCCGCCAGGCGTGGTGGCTGCACAGAGGGGACCCTTACGTCTGCTCCGTCTGCCAGCAAAGT
TTGACCAAATCGAGCAGTTCACGACCACATGAGGATGCATGTGTCTGACGGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG220986 representing NM_019778
 Red=Cloning site Green=Tags(s)

MLERKKPKTAENQKASEENEITQPGSSAKPALPCLNFEAVLSPAPALIHSTHSLTNSHAHTGSSDCDIS
 CKGMTERIHSINLHNFNSVLETLNEQRNRGHFCDVTVRIHGSMLRAHRCVLAAGSPFFQDKLLLGYS
 DI EIPSVSVQSVQKLIIDFMYSGVLRVSQSEALQILTAASILQIKTVIDECTRIVSQNVGDVFP
 GIQDQSGQDTPRGTPESGTSGQSSDTESGYLQSHPQHSVDRIYSALYACSMQNGSGERSFYSGAVV
 SHHETALGLPRDHMEDPSWITRIHERSQQMERYLSTTPETTHCRKQPRPVRIQTLVGNIIHIKQ
 EMEDDYDYYGQQRVQILERNESECTEDTDQAEGETESEPKGESFDSGVSSSIGTEPDSVEQQFGAA
 APRDQAEPAPQPEAAEAPAESSAQPNQLEPGASSPERSNESEMDNTVITVNSSSDKGVLQQPSV
 NTSIGQPLPSTQLYLRQTETLTSNLRMP LTLTSNTQVIGTAGNTYLPALFTTQPAGSGPKP
 FLFLPQPLTGQQTQFVTVSQPLSTFTAQLPAPQPLASSAGHSTASGQGDKKPYECTLCNKTF
 TAKQNYVKHMFVHTGEKPHQCSICWRSFSLKDYLKHMVTHGTGVRAYQCSICNKRFTQKSSL
 NVHMRLHRGEKSYECYICKKKFSHKTLLEHVALHSASNGTPPAGTPPGARAGPPGVACTEGT
 TYVCSVCPAKFDQIEQFNDHMRMHVSDG

TRTRPLE - GFP Tag - V

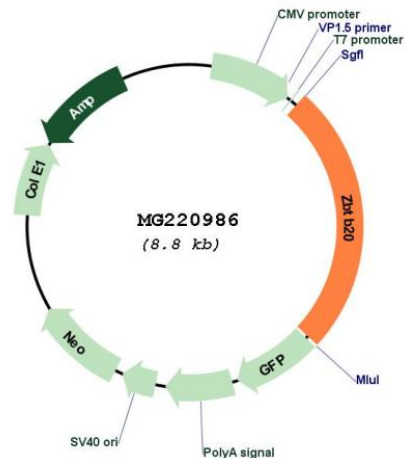
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_019778

ORF Size: 2223 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_019778.2](#), [NP_062752.2](#)

RefSeq Size: 3156 bp

RefSeq ORF: 2226 bp

Locus ID: 56490

UniProt ID: [Q8K0L9](#)

Cytogenetics: 16 28.44 cM

Gene Summary: May be a transcription factor that may be involved in hematopoiesis, oncogenesis, and immune responses (By similarity). Plays a role in postnatal myogenesis, may be involved in the regulation of satellite cells self-renewal (PubMed:27446912).[UniProtKB/Swiss-Prot Function]