

Product datasheet for **MG210478**

Zxdc (NM_030260) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zxdc (NM_030260) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zxdc
Synonyms:	A930012H20; B930086F11Rik; BC003332
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MG210478 representing NM_030260
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGACCTCCCGCGGTGCTGGCCGCCCGGCCACGCGGGAGACCAACATGGCGGTGGCCCGAGCCGAC
 TTCGCCGCGCGCGGGGCCGTCCCTCGGTGCCGTCCCGGGCGCGTCCGCTGCTGCTGCTGAGGGGCC
 GGAAGATGGCGGGCCCGGCCCGTCCAGAGGAGGCCCGGGGCCAGCCCGCCCGCCCGAGGACGGC
 GCGACTCCTTCGTGACTGCTGGAAGTGCCGCGCGCGCCACCCATGGTCAGGAGGAGGCCGAGC
 CCGATTCGGGCGGAGCCACGGAACAGGTCCCGGCCCGCCCGCCCGCGCAGCTCTGGCAGGCAGGT
 CACCATCCACAACCAGGACTCCTGGTGCCTTCGACCGCGCGTCTTACGCTGGCTGCGGCGCCCGC
 CCAGCCGCCCGAGCCTGCATCCCGCGACCACCCGGGCTGGAGCCCTCGAGCCTGCTGCTGCCGCC
 GCGGGCCGGTGGCCGCTAGCGCTGGCTCCCGGCCACCGCTGTCCGGAGCCGAGTGCAGCTGAGCTT
 CGCAAGAAGCACCAGTTGAAGGTGCACCTGCTGACGCACGGCAGCTCCAGGGCCGGCGCCCTCAAG
 TGCCCGCTGGATGGCTGCGGCTGGGCCTTACCACCTCCTACAAGCTCAAACGGCACCTGCAGTCGATG
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 CACGCAAGCTCAACTCCACCAGCGCAGCCACTTCGAGCCCGAGCGGCTTACAAGTGTGATTTCCCCG
 GCTGTGAGAAGACGTTTATCACAGTGAAGTGCCTGTTTTCCATAATCGAGCCACTTCAGGAGCAAGA
 GCTTTTTCTGCTCCTTCTGGGTGCAATAACAATATGACAAAGCTGCCGACTGAAAATTCAGTTG
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 CAAGTCATTCAGTAGAGCAGAGCATCTGAAGGGCCACAGTATCACCCACCTGGGAACAAAGCCATTCGAA
 TGCCCTGTGGAAGGTGCTGTGCCAGGTTCTCAGCTCGCAGCAGTCTGTACATTCTAAGAAACATC
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 CACTTTTCTGACACACCTGCTAATAGCAGCAGTTCAACAGCTGGTGGATGAAGCACTGAAGTCTGG
 GATCCTCACCATTGATGCACTTCTGTGAGCTTCTCTGGGAGGGAATCTCCCTACTAACAATAACTCC
 TTAGGACCAATGGATCCACTCGTTCTAGTGGCCACGGTATATGCCTCCAAGTTTGACAGTCTCTTG
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 AGAAAGCCATGGGCCATCCAATCTGTGCTGTCCAGCTCTACAGAGAGGCCAGGGGCTCAGAAGGACTCA
 GAGCTCAGTGTGGCACAGGCAGTCTCTACTTGGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG210478 representing NM_030260
 Red=Cloning site Green=Tags(s)

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MDLPAVLAAPATRGDQHGGGPSRLRRGAGPSLGAGPGRRLLLL RGPEDGGGPRPEEAPGPSPPPPEDG
GDSFVLLLEVPRAADTHGQEEAEPDSGASPT EQVPAAPGAALAGT VTIHNQDLLVRFDRGVFTLAAAPA
PAAPSLHPATTPGLEPSSAAAASRRGPVAA SAGSPAYRCPEPQCALSF AKKHQLKVHLLTHGSLQGRPFK
CPLDGCGWAF TTSYKLRHLQSHDKLRPF SCPVGGCGKKF TTVYNLKAHMKGHEQESLFKCEVCAERFPT
HAKLNSHQRSHFEPERPYKCDFPGCEKTFITVSALF SHNRAHFREQELFSCSFPGCNKQYDKACRLKIHL
RSHTGERPFICDSDSCGWTF TSMKLLRHKRKHDDRRFTCPVEGCGKSFTRAEHLKGHSITHLGTKPFE
CPVEGCCARFSARSSLYIHSKKHLQDVGTPKSRCPVSSCNRLFTSKHSMKAHVVRQHSRRQDLVPQLEAP
SSLTPSSELSSPGQSEL TNIDLAALFSDTPANSSSSTAGSDEALNSGILT IDVTSVSSSLGGLNPTNNNS
LGPMDPLVLVAHGMPPSLD SPLVLGTSATVLQPGSFSADDSQAMSTGAVGCLVALPVRNLNQDSPALTP
SNNLTAPGTTPTSSDTTQETGSVPDLLVPIKVEQDLSVPD VVQGGKESHGSPQS SVLSSSTERPGAQKDS
ELSAGTGSLYLV
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_030260

ORF Size: 2136 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_030260.3](#), [NP_084536.2](#)

RefSeq Size: 5172 bp

RefSeq ORF: 2139 bp

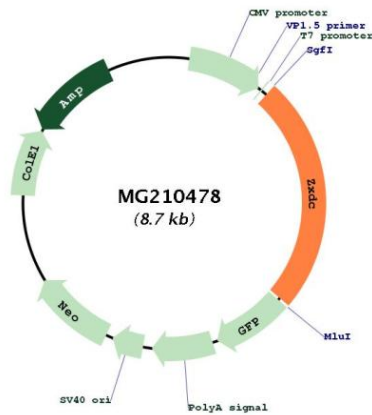
Locus ID: 80292

UniProt ID: [Q8C8V1](#)

Cytogenetics: 6

Gene Summary: Cooperates with CIITA to promote transcription of MHC class I and MHC class II genes. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG210478