

Product datasheet for **RG218266**

ZXDC (NM_025112) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZXDC
Synonyms:	ZXDL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >RG218266 representing NM_025112
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGACCTCCCGGCGTCTCCCGCCCCGACTGCGCGGGAGGGCAACATGGCGGCGGCCCGGCCGC
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 GGACCGGAGGCCACCGATTCCAGGAAGCACTATCAACCTGCAGGATCTGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG218266 representing NM_025112

Red=Cloning site Green=Tags(s)

MDLPALLPAPTARGGQHGGPGPLRRAPAPLGASPARRRLLLVRGPEDEGGPGARPGGEASGPSPPPAEDDS
 DGDSFLVLLVPHGGAEEAAGSQEAEPGSRVNLASRPEQGPSPGAAPPGPVAPAGAVTISSQDLLVRL
 DRGVLALSAPPGPATAGAAAPRRAPQASGPSTPGYRCPEPQCALAFAKKHQLKVHLLTHGGGQGRPFKC
 PLEGCGWAFSTTSYKLKRHLQSHDKLRPFPGCPVGGCGKKFTTVYNLKAHMKGHEQESLFKCEVCAERFPTH
 AKLSSHQRSHFEPERPYKDFPGCEKTFITVSALF SHNRAHFREQELFSCSFPGCSKYDKACRLKIHLR
 SHTGERPFICDSDSCGWTFSTMSKLLRHRKHDDRRFTCPVEGCGKSFTRAHLKGHSITHLGTKPFEC
 PVEGCCARFSARSSLYIHSKKHVQDVGAPKSRCPVSTCNRLFTSKHSMKAHMRQHSRRQDLLPQLEAPS
 SLTPSSELSSPGQSEL TNMDLAALFSDTPANASGSAGGSDEALNSGILTIDVTSVSSSLGGNLPANNSSL
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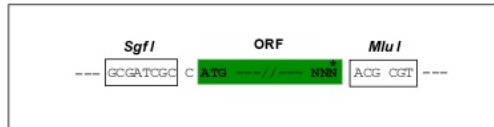
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI
 CTATAGGGCGGCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGCCGGCGGCCAGATCT
 HindIII NheI RsrII MluI NotI XhoI GFP Tag
 CAAGCTTAAGCTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- --- ---
 T R T R P L E M E S D - - -
 --- --- GAA GAA AGA GTT TAA ACGGCCGCCCGGAGCT
 - - E E R V Stop

ACCN: NM_025112

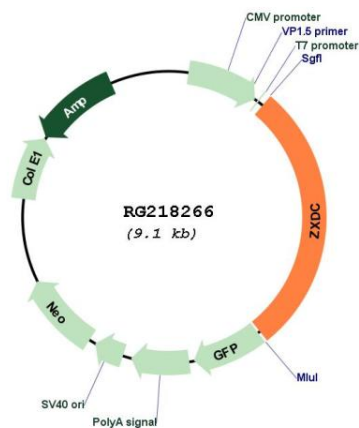
ORF Size: 2574 bp

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_025112.5
RefSeq Size:	3410 bp
RefSeq ORF:	2577 bp
Locus ID:	79364
UniProt ID:	Q2QGD7
Cytogenetics:	3q21.3
Domains:	zf-C2H2
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 RG218266