

Product datasheet for **RG215993**

ZAN (NM_003386) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZAN
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PSI00010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG215993 representing NM_003386
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGTTCCTCCAGTCTGGACTCTGCTGCTTCTGGTGGGGCTGCCCTTTTCAGGAAAGAGAAGCCTCCGG
ACCAGAAGCTGGTTGTTTCGAGCTCTAGGGACAACATATGTCCTCACCCAGTGTGATTTTGGAGTACGC
CAAACCCCTCTGTGACTGGTCCCAAGTGTCCGCAGACGATGAAGACTGGGTTCGAGCCAGTGGGCCCTCT
CCCACCGGCTCCACCGGGGCCCGGGGGGTACCTAACGGAGAGGGCAGCTATCTGCATATGGAATCGA
ACAGCTTCCACCGTGGGGGAGTGGCCCGCTGCTCAGCCCCGACCTATGGGAGCAAGGCCCTCTGTGT
GCACTTTGCCACCAACATGTTGGGCTGTCTTGGGCGCCAGCTCAGGCTGCTGCTCTCGGGTGA
GAGGGCCGCGCCCGATGTGCTCTGGAACACTGGAACACCCAGAGACCTCCTGGATGCTCACCACCG
TCACTGTGCCCGCAGGGTTACCCCTGCCACCCGGCTGATGTTTGAGGGAACACGGGGTAGCACTGCCTA
CCTGGACATCGCCCTGGATGCCCTCTCTATCCGCCGGGGCTCCTGTAATCGCGTCTGTATGATGAAACA
TGCAGCTTTGACATTCCAATGACCTCTGTGACTGGACCTGGATCCCAACTGCCTCCGGGGCCAAGTGA
CTCAGAAGAAAGGGTCATCAGGAAAGCCAGGCGTGGGGCTGATGGCGACTTCTCTAGCCCTGGTAGTGG
CTGCTACATGCTCCTGGACCCAAGAATGCAAGACCTGGGCAGAAAGCTGTCTCTGAGCCCCGTGAGC
CTGTCTCTGGCTGTCTGAGCTTTTCTTCCACTACATCTCCGGGGCCAGTCTCCTGGTGCAGCCCTCC
ACATTTATGCTTCAGTCTTGGGAGTATCCGGAACACACTCTTCTCAGGACAACCTGGGCCCAACTG
GCAGGCTGTTTCTGTCAATTACACAGCCGTGGGACGGATACAGTTTGCCGTGGTAGGCGTTTTTGGAAAG
ACCCAGAGCCAGCTGTGGCAGTTGATGCAACCAGCATTGCTCCTTGTGGGGAGGGTTTTCTCAGTGTG
ACTTTGAAGACAACGCCATCCCTTCTGTGACTGGGTCCAGACTTCCGGGGATGGTGGACTGGGCCCT
CGGACATAAAATGGACCCGTCCATGGCATGGGCCCTCGGGAGGTTTCCCTAATGCAGGGGGTCACTAT
ATCTACCTTGAGGCTGACGAGTTCTCCAGGCAGGCCAGTCACTCAGACTGGTGGAGCCGCCCTTCTGCG
CCCCAGGTGACATCTGCGTGGAGTTTCGCATACCATGTATGGCCTTGGGGAGGGTACTATGCTCGAACT
CCTCCTGGGAAGTCTGCGGGGAGTCCCCGATTCTCTCTGGAACCGGTGGGGTCTCAGCGCCCTTAC
TGGCAGAACACCTCCGTACCGTCCCCTCAGGACCAACAGCCCATGCAGCTTATTTTCAAGGGCATCC
AGGGAAGCAACACGCCCTCTGTGTTGCTATGGGTTTCACTTTGATCAATCCTGGGACTTGTCCAGTAA
AGTGCTACCAGAGCTTCTCCCGTATCTCCAGTTTCTTCCACTGGCCCTCTGAAACCACTGGCCTCACA



GAAAAACCTACAATCTCCACCAAGAAACCTACAGTTTCCATAGAAAAACCCAGTGTCACCACAGAAAAGC
CCACAGTCCCCAAGAAAGGCCACCATTTCCACAGAAAAACCCACCATCTCCACAGAAAAACCCACCAT
TCCTTCAGAAAAACCCAAATGCCCTCAGAAAAACCCACCATTCCTCAGAAAAACCCACCATCTCACA
GAAAAACCCACCATTCCTCAGAAAAACCCACCATTCCTCAGAAAAACCCACCATTTCCACAGAAAAAC
CCACCGTCCCCACAGAAGAGGCCACCAACCCCACTGAGGAGACCACCACTCCATGGAAGAGCCTGTCTAT
CCCTACAGAAAAACCCAGCATCCCTACAGAAAAACCCAGCATCCCCACGAAAAACCCACCATCTCCATG
GAAGAGACTATCATCTCCACAGAAAAACCCACCATCTCCCCAGAAAAACCCACCATCCCCACAGAAAAAC
CCACCATCCCCACAGAAAAATCCACCATCTCCCCAGAAAAACCCACCAACCCCAACAGAAAAACCCACCAT
CCCCACAGAAAAACCCACCATCTCCCCAGAAAAACCCACCAACCCCAACAGAAAAACCCACCATCTCCCCA
GAAAAACTACCATCCCCACAGAAAAACCCACCATCCCCACAGAAAAACCCACCATTTCCACAGAAAAAC
CCACCATCTCCACAGAAGAGGCCACCAACCCCACTGAGGAGACCACCATCTCCACAGAAAAACCCAGCAT
CCCCATGGAAAAACCCACTCTCCCCACTGAAGAAACCCACCATCTGTTGAAGAGACTACCATCTCTACA
GAAAAACTACCATCCCCATGGAAAAACCCACCATCTCCACAGAAAAACCCACCATCCCCACAGAAAAAC
CCACCATCTCCCCAGAAAAACTACCATCCCCACGAAAAACTACCATCCCCACGAAAAACCCACCAT
CCCCATTGAAGAGACTACCATCTCCACAGAAAAACTACCATCCCCACAGAAAAACCCACCATCTCCCCA
GAAAAACCCACCATCTCCACGAAAAACCCACCATCCCCACGAAAAACCCACCATCCCCACTGAAGAGA
CTACCATCTCCACAGAAAAACTACCATCCCCACAGAAAAACCCACCATCTCCCCAGAAAAACTACCAT
CCCCACAGAAAAACCCACCATCTCCACGAAAAACCCACCATCCCCACGAAAAACTACCATCCCCACG
GAAAAACCCACCATCCCCACAGAAAAACCCACCATTTCCACAGAGAAGTCACAGCCCTGAGGCCACCC
ATCCCAGCCCCACAGCCACTGGGCTGGCAGCCTTGGTGATGTCTCCACATGCTCCAAGTACCCCTATGAC
CAGTGTGATTCTGGGCACTACCAACCTCCAGATCCAGTACAGAGCGCTGCCCTCCAAATGCCGCTAC
GAATCTGTGCTTGTCTGCTTCTGTCAGAGAGCCCAAGGCTAGCTGTGGGCCCTCTGTGGGAGGGCT
GTGCTGCAACCTGGCTTTTGTGTTAGTGACAACCACTGCATCCAGGCCTCTTCTGCAATTGCTTCTA
CAACAACGACTACTATGAGCCTGGGGCAGAGTGGTTACGCCCAACTGCACAGAACATTGCCGCTGCTGG
CCCGGAGTCGGGTCGAGTGCCAGATCTCTCAGTGTGGGACACACACCGTGTGCCAGCTTAAGAATGGCC
AGTATGGATGCCACCCCTACGAGGCACTGCCACCTGCTTGGTCTACGGAGACCCCTATTATGTCACCTT
TGACGGGAGGCACTTTGGCTTCATGGGCAAGTGCACTTACATCTTGGCCAGCCCTGTGGCAACTCAACA
GACCCATTCTTCAGGGTGACAGCCAAAGATGAGGAGCAGGGACAGGAAGGCGTGTCTGCTGAGCAAAAG
TCTACGTGACCCCTGCCGAGAGCACCCTGCTTAAGGGCAGACGCACTCTGGTTGGGGGTGAGCA
AGTTACTCTCCAGCCATACCCCTCTAAAGGCGTCTTCTGGGTGCAAGCGGGCGGTTTGTGGAGCTGCAG
ACGGAGTTCGGTTTGGGGTGAGATGGGATGGTGACCAGCAGCTGTATGTTACTGTGTCCAGCACATACT
CTGGCAAACTCTGTGGTTTGTGTGGAACTATGACGGCAACAGTGACAATGACCACCTGAAGTTGGACGG
CAGCCAGCAGGAGACAAGGAGGAGCTGGGGAACAGCTGGCAGACGGACAGGACGAGGACAGGAGTGT
CAGAAGTACCAGGTGGTGAATTCCTCGTCTTGTGATTATCTCTGCAGAGCAGCATGTCTGGGGCCAGGGT
TCTGTGGAGGGCTGGTCGACTCATGGCCCATTTGAGACATGCCCTGTGCACGTGAAGGCCGCTTCTCT
CTTCGACAGCTGCATGCTTGTATGTGCGGATTCCAGGGGCTGCAGCACCTGCTGTGCACACACATGTGCC
ACCATGACCACCACTGCCAGGACGAGGCAACGCTGTGAAGCCCTGGAGGGAACCCCACTTCTGCCCAA
TGGCCTGCCCGCCCAACAGCAAGTACTCCCTGTGTGCAAGCCATGCCCTGACACCTGCCATTACAGATT
CTCCGGCATGTTCTGCTCAGACCGGTGCGTGGAGGCTGTGAATGCAATCCGGGCTTGTCTCTCAGTGGC
CTCGAGTGCATACCTCGCTCCCAAGTGTGGGTGCCCTCCACCCTGCAGGCAGCTACTTCAAGGTAGGGGAGC
GGTGGTACAAGCCAGGCTGCAAGAGTTGTGCGTCTGTGAAAGCAACAAGAAATTCGCTGCCAGCCCTG
GAGGTGTAGGGCCAGGAGTTCTGTGGCAACAGGATGGTATCTATGGCTGCCATGCCCAAGGTGCCGCC
ACCTGCACAGCCTCGGGTGACCCCACTACCTGACCTTCGATGGCGCCTTGACCACTTCATGGGCACCT
GCACCTATGTCTGACCGGCTTGTGTGGTCCAGGTCCCAAGACAGCTATTTTGTGTGAGCGCCACCAA
CGAGAACCAGGGGGGATCCTGGAGGTCTCTACATCAAGCCGCTCCACGTGACAGTCTTTGACCTCAGC
ATCTCACTGCTCAGAGGCTGAAGGTATGCTGAATGGCCATCGGGTGGCCCTACCTGTGTGGCTGTCAC
AAGGCCGGGTGACCATAAGGCTCAGCAGCAACCTCGTCTCTCTACACGAACCTTGGGCTCCAAGTTCTG
CTACGACGGGAGCACTTGGTGGAAGTGACAGTCCCCTCTCTATGGCGGCCAGCTCTGTGGGCTGTGT
GGGAATACAACAACAACAGCTTGGATGACAACCTGCGCCCGACAGAAAGCTTGACAGGCGATTCCATGC
AGCTGGGGGCGCCTGGAAGTTACCTGAATCCTCTGAACCTGGCTGTTTCTTGTGGGTGGCAAGCCCTC
CAGCTGCCAGGAGAACAGCATGGCAGACGCTGGAACAAGAACTGTGCGATCTTAATAAACCCCTCAGGGA
CCCTTCTCTCAATGTACACAGGTGGTGCCTCCCAAGTCCAGCTTTGCCAGTTGCGTGATGGTCAGTGTG
GGACCAAGGGCGACACACAGCCCTGTGCCCTCCCTGCAGGCTACGCGTCCCTGTGTGCCAGGCTGG
CCAGGCCCCCTGCCGGAACAGAACCTTCTGCCCTATGAGGTGCCACCTGGCAGCAGCTACAGCCCC
TGCAGCAGCCCTGCCAGACCTGCAGCAGCATAACAACCCGAGGGACTGCCCCAAGCACTGCCCT
GTGCTGAGAGCTGTGAATGTAGAAAGGCCACATCTTGAGTGGAACCTCTGCGTGCCCTTGGCCAGT

TGGCTGCACTGACCCAGCGGGCTCCTACCACCCGGTCGGGGAGCGCTGGTACACAGAGAACACCTGCACC
 AGGCTCTGCACCTGCTCCGTCCACAACAACATCACCTGCTTCCAGAGCACCTGCAAACCAACCAGATAT
 GCTGGGCCCTGGATGGGCTGCTCCGTTGTGGGCTCAGGTGTGGAGTGTGTACAGTCCCAGGGGAGTC
 CCACTACGTGAGCTTTGATGGTAGTAACCAATTCTATCCCGGACGCTGCACTTTGTCTGGTGAAAGTG
 TGCCACCCCGCCATGGCCTTGCCCTTCTTCAAGATCAGTGCCAAGCATGAGAAGGAGGAAGTGGAAGT
 AGGCTTTCCGCCTTCATGAGGTCTACATTGACATCTACGATGCCAGGTCAACCTGCAGAAGGGCCACCG
 TGTGCTAATCAACAGCAAACAGGTCAACCTCCCGCCATCTCCAGATCCCTGGGGTCAAGTGTCAAGTCC
 AGCAGCATCTACAGCATTGTTAACATCAAGATCGGGGTGCAAGTCAAGTTTGACGGGAATCATCTCTTAG
 AGATTGAAATCCCCACAACCTACTATGAAAGGTCTGCGGCATGTGTGGAACTTCAATGATGAGGAAGA
 GGACGAACTAATGATGCCAGCGATGAAGTAGCAATAGTGACAGTGAATTTGTGAACAGTTGGAAGAT
 AAGGACATTGACCAAGTTGTGAGAGTCTCCTGGTAGATGAGCAGCAGATTCCAGCGGAACAGCAGGAGA
 ACCCGAGTGGAAACTGCAGGGCGGCGACCTCCGACGGGCGGGGAAAAGTGCGAGGCAGCGCTCCGGGC
 TCCTGTGTGGGCCAGTGCGCTCCCGCATAGACCTCACGCCCTTCTGGTGGACTGTGAAACACCCCTC
 TGTGAGTTCGGAGGTCTCTACCAGGCCCTCTGCCAGGCTCTGCAAGCCTTCGGGGCCACCTGCCAGAGCC
 AGGGGTCAAGCCCCACTCTGGAGAAACAGCAGCTTCTGCCCTCTGGAATGCCCTGCCTACAGCAGCTA
 CACCAACTGCCTTCCCTCTGCTCACCTCTGCTGGGACCTGGATGGCCGGTGTGAGGGGCCCAAAGTC
 CCCTCTGCCTGCGCTGAGGGTGCATTTGTGAGCCCGCTATGTGCTGAGTGAAGACAAGTGTGTCCCA
 GAAGTCAGTGTGGTGAAGGATGCCATGGTGGCTCCATCCCTCTGGGCAAGAGTGGGTCTCCAGCGG
 TTGACGGAGAAGTGTGTGTCACGGGAGGAGCCATTAGTGGGGGACTTCCGATGCCCTCTGGGTCC
 CACTGCCAGCTCACTTCCGACAACAGCAACAGCAATTGTGTCTCAGACAAGTCTGAACAATGCTCAGTCT
 ATGGCGACCCCGTTACCTCACATTGACGGCTTACGCTACCGCTTGAAGGCCGATGACCTATGTTCT
 GATCAAGACTGTGGAGTACTGCTGAGGGGTGGAGCCCTCCTCGTGAAGGACGCAACAAGTGGAT
 CCGCCAGGAGTCCATCTTCTGAGGAAGTGATTACCACGCTACGGCTATAAAGTGACAGTCCAAG
 CTGGTCTGGAGCTTGTGGTCAACAACAGAGATGGCCGTCCCTACAGGCCAATGAACACCTGCGGGT
 CACCCTGTGGGGCCAACGGCTACCTGGTCACCGACTTGAAGTGGTCTGAGCTTTGGTGAAGGAAA
 AATGCAAGTATCTCCCTACCCAGCATGTACGAGGGGCTTGTGAGTGGCTGTGCGGAACTACGACAAGA
 ACCGCAAGAATGACATGATGCTGCCAGTGGCGCCCTGACCCAGAACCTCAACACCTTTGGCAACAGCTG
 GGAGGTGAAGACCGAGGACGCACTCTGCGCTTCCCGAGGGCTATACCAGCGAGGAGGAGGACAAGGG
 GCGGAGCTGGGCCTCCGACGGGCTCCAAGTGTCCGAATGTAGCCCGAGCAGCTGGCGAGCAACAGCA
 CCCAGGCCGTAGGGTGTGGCAGACCCCGAGGCCCTTGTGCTGTGCTACCCAGAGCGTGGCCCCAGA
 GCCCTTCAAGAGCACTGCGTGTGGATCTGTGCTCTGCTCAGGACCAAGAGAGCAAGAGGAGTGCCT
 TGCCAGGTCTCAGTGGCCATGGAGTGTCCAGCAGGTACCATATATCAGAGCTGTATGACACCTGCCCA
 GCATCTGTGCCAACCTGGCAGACCCCGGGGACTGCGAGGGCCCTGCGTGGAAGGCTGCGCCAGCATCC
 CAGGCTATGCTACAGTGGCAGCCAGAGCCTCCCTGGCTGACTGTGGCTGCACCAGCAATGGCATCTAC
 TACCAGCTGGGCAGCAGCTTTCTGACTGAGGACTGCTCTCAGCGGTGCACCTGTGCCAGTCAAGGATCC
 TGCTGTGTGAGCCCTTACAGTGCAGAGCGGGGAGGTCTGCACCTGGGGAACACACCCAAAGGCTGCTT
 TCCAGAAAGCCGTGTCTGCAGAACCCCTGTGAGAATGACGGGAGTGTGCGGAGCAGGGAGCCACCTTC
 ACCTGCGAGTGTGAAGTTGGTTACGGGGGAGGCCTGTGTATGGAGCCTCGAGATGCGCCACCTCCAGAA
 AGCCAGCATCTAACCTGGTGGCCGTCTACTGGGACTGCTGGTGCCTGTGGTGGTCTACTACTGGCCGT
 GACCAGAGAGTGCAATTTACAGAACGAGGAGGAAGAGAGAAAACGAGGAGGAGACAGACTGGCCAGG
 CTGGTGGACACAGATACTGTTCTGACTGTGCCTGT

AGCGGACCGACGCTACGCGGCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG215993 representing NM_003386

Red=Cloning site Green=Tags(s)

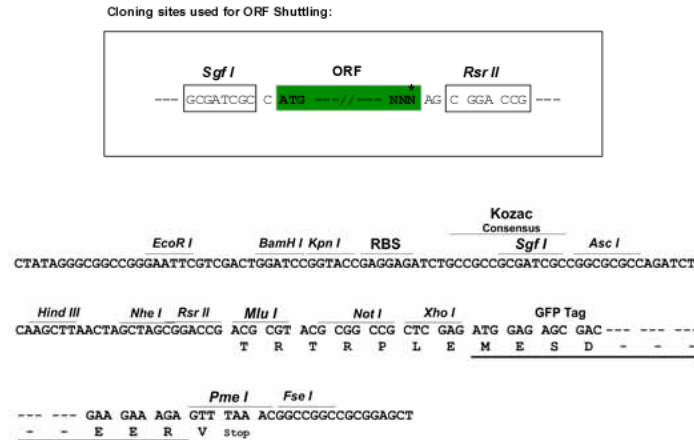
MVPVWTLTLLLVGAALFRKEKPPDQKLVRSSRDNYVLTQCFEDDAKPLCDWSQVSADDEDWVRASGPS
PTGSTGAPGGYPNGEGSYLHMESNSFHRGGVARLLSPDLWEQGPLCVHFAHMFGLSWGAQLRLLLLSGE
EGRRPDVLWKHWNTQRPSWMLTTVTVPAGFTLPTRLMEFEGTRGSTAYLDIALDALSIIRGSCNRVCMQT
CSFDIPNDLCDWTWIPTASGAKWTQKKGSSGKPGVGPDPDFSSPGSGCYMLLDPKNARPGQKAVLLSPVS
LSSGCLSFSEFHYILRGQSPGAALHIYASVLGSIKHTLFSGQPGPNWQAVSVNYTAVGRIQFAVVGFGK
TPEPAVAVDATSIAPCGEGFPQCFEDNAHPFCDWVQTSQDGGHVALGHKNGPVHMGPAAGFPNAGGHY
IYLEADEFSQAGQSVRLVSRPFCAPGDIQVEFAYHMYGLGEGTMLELLLGSPAGSPPIPLWKRVSQRPY
WQNTSVTVPSGHQPMQLIFKGIQGSNTASVVMAGFILINPGTCVPKVLPELPPVSPVSTGPSETTGLT
ENPTISTKKPTVSIKPSVTTEKPTVPKEKPTIPTEKPTISTEKPTIPSEKPNMPSEKPTIPSEKPTILT
EKPTIPSEKPTIPSEKPTISTEKPTVPTTEPTTTEETTTSMEEPVIPEKPSIPTEKPSIPTEKPTISM
EETIISTEKPTISPEKPTIPTEKPTIPTEKSTISPEKPTTPEKPTIPTEKPTISPEKPTTPEKPTISP
EKLTIPEKPTIPTEKPTIPTEKPTISTEETPTTEETTTISTEKPSIPMEKPTLPTEETTTTVEETTIST
EKLTIPEKPTISTEKPTIPTEKPTISPEKLTIPTEKLTIPTEKPTIPIEETTTISTEKLTIPTEKPTISP
EKPTISTEKPTIPTEKPTIPTEETTTISTEKLTIPTEKPTISPEKLTIPTEKPTISTEKPTIPTEKLTIPT
EKPTIPTEKPTIPTEKLTALRPPHPSPATGLAALVMSHPAPSTPMTSVILGTTTTSRSSTERCPPNARY
ESCACPASCKSPRSPCGPLCREGCVNPGFLFSDNHCIQASSCNCFYNNDDYEPGAWFSPNCTEHCRWC
PGSRVEQCISQCGHTHTVCQLKNGQYGCHPYAGTATCLVYGDPHYVTFDGRHFGFMGKCTYILAQPCGNST
DPFFRVVTAKNEEQQEGVSCLSKVYVTLPESTVTLKGRRTLVGQGVTLPAIPSKGVFLGASGRFVELQ
TEFGLRVRWDGQQLYVTVSSYSGLCGLCGNYDGNNDHLLKLDGSPAGDKEELGNSWQTDQDEDEC
QKYQVNSPSCDSSLQSSMSGPGFCGRVLDTHGPFETCLLVKAAFFDSCMLDMCGFQGLQHLLCTHMS
TMTTTCQDAGHAVKPWREPHFCPMACPPNSKYSKCAKPCPDTCHSGFSGMFCSDRCEACECNPGFVLSG
LECIPRSQCGLHPAGSYFKVGERWYKPGKELCVCESNNRIRCQPWRCRAQEFQCGQDGIYGCHAQGA
TCTASGDPHYLTFDGALHHFMGTCTYVLTTRPCWSRSQDSYFVVSATNENRGGILEVSYIAVHVTVFDLS
ISLLRGCKVMLNGHRVALPVWLAQGRVTIRLSSNLVLLYTNFGLQVRYDGSHLVEVTVPSYGGQLCGLC
GNYNNSLDDNLRPDRKLAGDSMQLGAAWKLPESSEPGCFLVGGKPSQENSMADAWNKNCAILINPQ
PFSQCHQVVPQSSFASCVHGCQGTGDDTALCRSLQAYASLCAQAGQAPAWNRNRTFCPMRCPPGSSYSP
CSSPCPDTCSINNPRDCPKALPCAESCECQKGHILSGTSCVPLGQCGCTDPAGSYHPVGERWYTENTCT
RLCTCSVHNNITCFQSTCKPNQICWALDGLLRCRASGVGCQLPGESHYVSFDGSNHSIPDACTLVLVK
CHPAMALPFFKISAKHEKEEGTEAFRLHEVYIDYDAQVTLQKGHRVLINSKQVTLPAISQIPGVSVK
SSIYSIVNIKIGVQVKFDGNHLLIEIPTTYGKVCGMCGNFNDEEDELMMPSDEVANSDFVNSWKD
KDIDPSCQSLLVDEQQIPAEQQENPSGNCRAADLRAREKCEAALRAPVWAQCASRIDLTPFLVDCANTL
CEFGGLYQALCQALQAFGATCQSQGLKPLWRNSSFCLECPAYSSYTNCPLSCSPSCWDLDDGRCEGAKV
PSACAEGCICQPGYVLSKDCVPRSQCGCKDAHGGSIPLGKSWVSSGCTEKCVCCTGGAIQCGDFRCPGSG
HCQLTSDNSNSNCVSDKSEQCSVYGDPRYLTDFGFSYRLQGRMTYVLIKTVDLVPEGVEPLLVEGRNKMD
PPRSSIFLQEVITTVYGYKVLQAGLELVNNQKMAVYRPNELRVTLWGQRLYLVDLFDLVSFSGGRK
NAVISLPSMYEGLVSLCGNYDKNRKNDMMPLSGALTQNLNTFGNSWEVKTEDALLRFPRAPAEQEGG
AELGLRTGLQYSECSPEQLASNSTQACRVLADPQGPFAACHQTVAPPEFQEHCVLDLCSAQDPREQEELR
CQVLSGHGVSSRYHISELYDTLPSILCQGRPRGLRGLRGLRQHPRLCLQWHPPEPLADCGCTSNGIY
YQLGSSFLTDCSQRCCTASSRILLCEPFSCRAGEVCTLGNHTQGCFFESPCLQNPQNDGQCREQATF
TCECEVGYGGGLCMEPRDAPPPRPASNLVAVLLGLLVPVVVLLAVTRECIYRTRRKREKTQEGDRLAR
LVDTDTVLDCAC

SGPTRRRLE - GFP Tag - V

Restriction Sites:

SgfI-RsrII

Cloning Scheme:



ACCN: NM_003386

ORF Size: 8436 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.

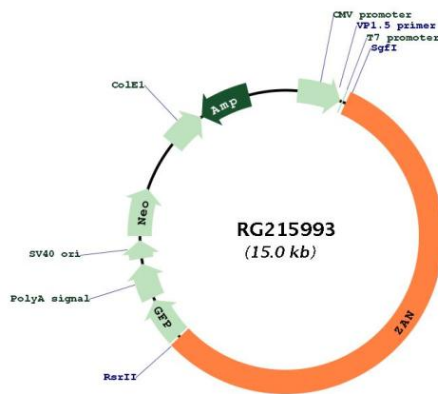
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_003386.1](#), [NP_003377.1](#)

RefSeq Size: 8689 bp

RefSeq ORF:	8439 bp
Locus ID:	7455
UniProt ID:	Q9Y493
Cytogenetics:	7q22.1
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	This gene encodes a protein that functions in the species specificity of sperm adhesion to the egg zona pellucida. The encoded protein is located in the acrosome and may be involved in signaling or gamete recognition. An allelic polymorphism in this gene results in both functional and frameshifted alleles; the reference genome represents the functional allele. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jul 2015]

Product images:



Circular map for RG215993