

Product datasheet for **RC229364**

ZYG11A (NM_001004339) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZYG11A (NM_001004339) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZYG11A
Synonyms:	ZYG11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC229364 representing NM_001004339
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTTCAATTCTTGACCCGGCCACACGCCCGGAACATCGTCCCTCCTGACGCTCAGAAGGATGCC
 TGGGCTGCTGCGTGGTACAGGAAGAGGCATCTCCCTACACTTTGGTCAACATCTGCCTGAATGTCCTGAT
 TGCTAACCTGGAGAAATTGTGTTCTGAAAGACCTGATGGAACACTGTGCCTCCGGAGCATTGGAGTTTC
 CCTCAGGAAGTAGCCGAGCGATTCTCAGGGTGTGACTTGGCAAGGCAAGCTGACTGACAGAACAGCCA
 GCATTTCCGAGGCAACCAAATGAACTGAAGCTGGTCAATATCCAAAAGCTAAAATCTCTACAGCTGC
 ATTCATAAAAGCCTTCTGCCGTATAAGCTCATTGAAGTGAATGCTACTGCAGTGCACGCTGACCTCCCA
 GTTCCAGACATCATAAGTGGACTCTGCAGCAATAGGTGGATCCAGCAAAACCTCCAGTGTCTCTGTTAG
 ACTCGACAAGCATCCCTCAAATCAAGATTACTGTTCTTTAGTCAGCTCACTGGTCTTCGATTTTAAG
 TGTTTTAATGTTTGTTCATACTGAAGACCTGGCTAATGTTTCTCAGTTACCAAGACTGGAAAGCTTA
 GATATCTCTAATACTCTAGTCACTGATATTTCTGCACTGTTACCTGTAAGGATCGATTGAAGTCTCTCA
 CAATGCACTATCTGAAATGCCTGGCCATGACCAATCACAAATCTTGCAGTCATTAGAGAACTTAATG
 TCTGTTACCTTGATATTTCTGATCACAGGCAACTCAAATCAGACCTAGCTTTTCATTTGCTACAGCAG
 AAGGATACCTGCCCAATGTTGTGTCATTGGATATTTCTGGGGCAATTGCATCACTGATGAAGCTGTAG
 AACTGTTTATACGACTGCGGCCTGCCATGCAATTTGTGGGACTATTGGCCACGGATGCTGGCTCTTCTGA
 CTTCTTTACTACAAGCAAGGCTTGAGGGTGTGGAGGAGCCAGTATGAGTCAGATTTCCAGAAGCACTG
 AGCCGATACAGGAACAGATCATGTTTTGTGAAGGAAGCCCTCCACAGGCTGTTACAGAGACATTTTCAA
 TGGAGGTAACCATGCCTGCTATTTAAAGCTTGTGGCTATAGGAATGAGGAATCACCCATTGGATTTGCG
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 GAAAGCACTTTGGAATCTTACAGATGGGTCTCCAGCTGCCTGCAAGCACTTCAATGAAAATCAAGGATTG
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 ACAACATAGCAGAAGTCAGAGAGCTCTCTTCCAAGCTGGTGACCGAAGATGTGCTGAAGCATATCAACAG
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 AATCCCAGCAAATACTGCAAAATGTTAGTTGAAGAAGAAGGATTGCAGCTTTTGTGTGATATCCAGGAGC
 ACAGTGAGGCAACCCCAAGCACAGCAGATTGCAGCTCCATTCTGGATGACTTCAGAATGCATTTTCAT
 GAATTATCAGAGGCCACTCTGTGTCAAATGCCCTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC229364 representing NM_001004339
 Red=Cloning site Green=Tags(s)

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MVHFLHPGHTPRNIVPPDAQKDALGCCVVQEEASPYTLVNICLNVLIANLEKLCSERPDGTLCLPEHWSF
PQEVAERFLRVMTWQGLTDRTASIFRGNQMKLKLVNIQKAKISTAAFIKAFCRHKLIELNATAVHADLP
VPDIISGLCSNRWIQNLQCLLLDSTIPQNSRLLFFSQTGLRILSVFNVCFHTEDLANVSQLPRLLES
DISNTLVTDISALLTCKDRLKSLTMHYLKCLAMTKSQILAVIRELKCLLHLDISDHRQLKSDLAFHLLQQ
KDILPNVVSLDISGGNCITDEAVELFIRLRPAMQFVGLLATDAGSSDFFTTKQGLRVAGGASMSQISEAL
SRYRNRSFCVKEALHRLFTEFTEFMEVTPAILKLVVAIGMRNHPLDLRVQFTASACALNLTRQGLAKGMPV
RLLSEVTCLLKFALKNFPHYQQLQKNCLLSLNSRILVDVPFDRFDAKFVMRWLCKHENPKMQTMAVSV
TSILALQLSPEQTAQLEELFMAVKELLAIVKQKTENLDDVTFLFTLALWNLTDGSPAACKHFIEHQGL
QIFIQVLETFESAIQSKVLGLLNNAIEVRELSKLVTEVDLKHINSLCSREMEVSFYAAGIIAHLTSD
RQLWISRDFQRRLLQDLHATIQNWPSSCKMTALVTYRSFKTFPLLGNFSQPEVQLWALWAMYHVCSK
NPSKYCKMLVEEGLQLLCDIQEHSEATPKAQQIAASILDFFRMHFMNYQRPTLCQMPF
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8035_b09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001004339

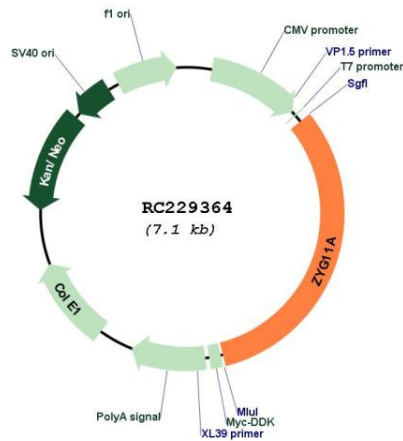
ORF Size: 2277 bp

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_001004339.3](#)
- RefSeq ORF:** 2280 bp
- Locus ID:** 440590
- UniProt ID:** [Q6WRX3](#)
- Cytogenetics:** 1p32.3
- MW:** 85.6 kDa
- Gene Summary:** Probably acts as target recruitment subunit in an E3 ubiquitin ligase complex ZYGA-CUL2-elongin BC.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC229364