

## Product datasheet for **RG208590**

### ZYG11BL (ZER1) (NM\_006336) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZYG11BL (ZER1) (NM_006336) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZYG11BL
Synonyms:	C9orf60; ZYG; ZYG11BL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide  
Sequence:**

>RG208590 representing NM\_006336  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGTCCGACACTCCCGAGTCGCTGATGGCCCTCTGTACTGACTTCTGCTTGCACAACCTGGATGGCA  
 CCTGGGCTACCTGCTGGACAAGGAGACCCTGCGGCTACATCCGACATCTTCTTGCCCAGCGAGATCTG  
 TGACCGGCTCGTCAATGAGTATGTGGAGCTGGTGAACGCTGCCTGTAACCTCGAGCCACACGAGAGCTTC  
 TTCAGCCTCTTTTCGGACCCCGCAGCACCCGCTCACGCGGATCCACCTCCGTGAGGACCTGGTGCAGG  
 ACCAGGACCTGGAGGCCATCCGCAAGCAGGACCTGGTGGAGCTGTACCTGACTAACTGCGAGAAGCTGTC  
 CGCAAGAGCCTGCAGACACTGAGGAGCTTCAGCCACACCCTGGTGTCTTGAGCCTCTTCGGCTGTACA  
 AACATTTTCTATGAGGAGGAGAACCAGGGGGCTGTGAAGATGAGTACCTCGTCAACCCACCTGCCAGG  
 TGCTGGTTAAGGATTTACCTTCGAGGGCTTCAGCCGCTCCGCTTCTCAACTTGGGCCGATGATTGA  
 TTGGGTCCCTGTGGAGTCCCTGTGCGGCCGTTAACTCCCTGGTGCCTTGGACCTCTCAGGCATTGAG  
 ACGAGCGACGCCCTTCTCACCCAGTGGAAAGACAGCCTGGTGTCCCTCGTCCCTACAAACATGGACC  
 TGTCGACGACCACATCCGGGTATCGTGCAGCTGCACAAGCTGCGACACCTGGACATCTCCCGAGACCG  
 CCTCTCCAGCTACTACAAGTTCAAGCTGACTCGGGAGGTGCTGAGCCTCTTTGTGCAAGAAGCTGGGGAAC  
 CTAATGTCCCTGGACATCTCTGGCCACATGATCCTAGAGAAGTGCAGCATCTCCAAGATGGAAGAGGAAG  
 CGGGGCAGACCAGCATTGAGCCTTCAAGAGCAGCATCATACCTTTCCGGGCTCTGAAGAGGCCGCTGCA  
 GTTCTCGGGCTCTTTGAGAATCTCTGTGCCGCTCACGCACATTCCAGCCTACAAAGTAAAGTGGTGAC  
 AAAAACGAAGAGCAGGTGCTGAATGCCATCGAGGCCTACACGGAGCACCCGCTGAGATCACCTCGCGGG  
 CCATCAACTTGCTTTTTGACATCGCCCGCATCGAGCGTTGCAACCAGCTGCTGCGGGCCCTGAAGCTGGT  
 CATCACGGCCCTCAAGTGCCACAATAATGACAGGAACATTCAAGTGACAGGCAGCGCCGCTCTTCTTAC  
 CTAACAAATTCAGAGTACCGCTCAGAGCAGAGTGTGAAGCTGCGCCGGCAGGTTATCCAGGTGGTGTGA  
 ATGGCATGGAATCCTACCAGGAGGTGACGGTGCAGCGAACTGCTGCCTGACGCTCTGCAACTTCAGCAT  
 CCCCAGGAGCTGGAATTCAGTACCGCCGGTCAACGAGCTCCTGCTCAGCATCCTCAACCCACGCGG  
 CAGGACGAGTCTATCCAGCGGATCGCCGTGCACCTGTGCAATGCCCTGGTCTGCCAGGTAGACAACGACC  
 ACAAGGAGGCCGTGGCAAGATGGGCTTTGTGCTGACCATGCTGAAGCTGATTGAGAAGAAGCTGCTGGA  
 CAAGACATGTGACCAGGTGATGGAGTTCTCCTGGAGTCCCCTGTGGAACATCACAGATGAAACTCCTGAC  
 AACTGCGAGATGTTCTCAATTTCAACGGCATGAAGCTTCTCCTGGACTGCCTGAAGGAATTCAGGAGA  
 AGCAGGAACTGCATAGGAATATGCTAGGACTTTTGGGGAATGTGGCAGAAGTGAAGGAGCTGAGGCCTCA  
 ACTAATGACTTCCAGTTCATCAGCGTCTTCAGCAACCTGTTGGAGAGCAAGGCCGATGGGATCGAGGTT  
 TCCTACAATGCCTGCGGCGTCTCTCCACATCATGTTTGATGGACCCGAGGCTGGGGCGTCTGTGAGC  
 CCCAGCGTGAGGAGGTGGAGGAACGCATGTGGGCTGCCATCCAGAGCTGGGACATAAACTCTCGGAGAAA  
 CATCAATTACAGGTCAATTTGAACCAATTCTCCGCTCCTTCCCAGGGAATCTCTCCTGTGAGCCAGCAC  
 TGGGCAACCTGGGCCCTGTATAACCTCGTGTCTGTCTACCCGGACAAGTACTGCCCTCTGCTGATCAAAG  
 AAGGGGGATGCCCTTCTGAGGGACATAATTAAGATGGCGACCCGACGGCAGGAGACCAAGGAAATGCC  
 CCGCAAGGTGATTGAGCACTGCAGTAACTTTAAGAGGAGAACATGGACACGTCTAGA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG208590 representing NM\_006336  
 Red=Cloning site Green=Tags(s)

MASDTPESLMALCTDFCLRNL DGT L GYLLDKETLRLHPDIFLPSEICDRLVNEYVELVNAACNFEPHESF  
 FSLFSDPRSTR L TRIHLREDLVQDQDL EAIKQDLVEL YL TNCEKLSAKSLQTLRSFSHTLVSLSLFGCT  
 NIFYEEENPGGCEDEYL VNPTCQVLVKDFTFEGFSRLRFLNLGRMIDWVPVESLLRPLNSLAALDLSGIQ  
 TSDAAFLTQWKDSL VSLVLYNMDLSDHIRVIVQLHKLRLHLDISRDR LSSYYKFKLTREVL S L FVQKLG N  
 LMSLDISGHMILENC SISKMEEEAGQTSIEPSKSSII PF RALKRPLQFLGLFENSLCRLTHIPAYKVSGD  
 KNEEQVLNAIEAYTEHRPEITSRAINLLFDIARIERCNQLLRALKLVITALKCHKYDRNIQVTGSAALFY  
 LTNSEYRSEQSVKLRRQVIQVVLNGMESYQEVTVQRNCLTLCNFSIPEEELFQYRRVNE L L L S I L N P T R  
 QDESIQRIAVHLCNALVCQVDNDHKEAVGKMGFVVTMLKLIQKLLDKTCDQVMEFSWSALWNITDETPD  
 NCEMFLNFNGMKLFLDCLKEFPEKQELHRNMLGLLGNVAEVKELRPQLM TSQFISVFSNLL ES KADGIEV  
 SYNACGVL SHIMFDGPEAWGVCEPQREEVEERMWAAIQSWDINSRRNIN YRSFEPILRLLPQGISPV SQH  
 WATWALYNLVSVPDKYCP L L I K E G G M P L L R D I I K M A T A R Q E T K E M A R K V I E H C S N F K E E N M D T S R

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_006336

**ORF Size:** 2298 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\\_006336.4](#)

**RefSeq Size:** 4299 bp

**RefSeq ORF:** 2301 bp

**Locus ID:** 10444

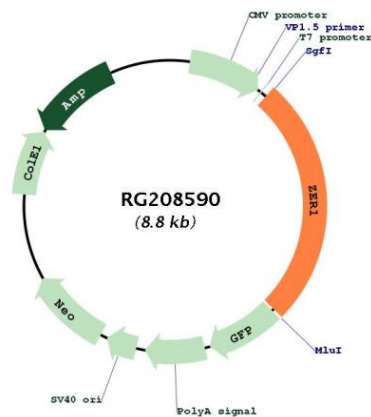
**UniProt ID:** [Q7Z7L7](#)

**Cytogenetics:** 9q34.11

**Domains:** Armadillo\_seg

**Gene Summary:** This gene encodes a subunit of an E3 ubiquitin ligase complex that may be involved in meiosis. The encoded protein contains three leucine-rich repeat motifs. [provided by RefSeq, Nov 2012]

## Product images:



Circular map for RG208590