

## Product datasheet for **RG209084**

### ZNF364 (RNF115) (NM\_014455) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF364 (RNF115) (NM_014455) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF364
Synonyms:	BCA2; ZNF364
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209084 representing NM_014455 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGAGGCTTCGGCGGCCGGGGCGGACTCGGGCGCCGCTGTAGCCGCCACCGGTTTTCTGCCACT  
TTTGCAAGGGCGAGGTCAGCCCCAACTACCGGAATATATATGTCCAGATGTGAATCAGGCTTTATTGA  
AGAAGTGACAGATGATTCCAGTTTTTTAGGTGGTGGCGGCAGTCGGATAGACAATACCACAACAACACAT  
TTTGCAGAGCTTTGGGGCATTGGATCACACGATGTTTTTTCAAGATTTTAGACCCTTTCTAAGTAGCA  
GTCCACTGGACCAAGATAATAGAGCCAATGAAAGGGGTCACCAGACTCACACTGACTTCTGGGGAGCAAG  
ACCTCCACGGTTGCCATTGGGTCGGAGATACAGATCTCGAGGAAGTTCTCGTCTGACAGATCTCCAGCT  
ATTGAAGGAATACTACAACACATCTTTGCAGGATCTTTGCAAATCTGCCATTCTGGATCTCCACACC  
CTTTTTCTGGAGCGGGATGCTGCACTCCAACCCTGGGGACTATGCCTGGGGTCAGACAGGGCTTGATGC  
CATTGTAACCCAGCTTTTAGGACAACCTGGAAAACACAGGCCCTCCCCAGCTGACAAGGAAAAGATCACA  
TCTCTTCAACAGTGACAGTAACCTCAGGAACAAGTTGATATGGTTTTAGAGTGTCCAGTATGCAAAGAAG  
ATTACACAGTTGAAGAGGAAGTCCGGCAGTTACCTTGAATCACTTCTTTACAGCAGTTGATTTGTGCC  
GTGGCTAGAAGTGCATGACACATGTCCTGTATGTAGGAAGAGCTTAAATGGTGAGGACTCTACTCGGCAA  
AGCCAGAGCACTGAGGCCTCTGCAAGCAACAGATTTAGCAATGACAGTCAGCTACATGACCGATGGACTT  
TC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG209084 representing NM\_014455  
Red=Cloning site Green=Tags(s)

MAEASAAGADSGAAVAHRFFCHFCKGEVSPKLPYICPRCESGFIEEVTDDSSFLGGGSRIDNTTTTH  
 FAELWGHLDHTMFFQDFRPFLSSSPLDQDNRANERGHQTHDFWGARPPRLPLGRRYRSRGSRRPDRSPA  
 IEGILQHIIFAGFFANSAIPGSPHPFWSWGMLHSNPGDYAWGQTGLDAIVTQLLGQLENTGPPPADKEKIT  
 SLPTVTVTQEQVDMGLECPVCKEDYTVVEEEVRQLPCNHFFHSSCIVPWLELHDTCPVCRKSLNGEDSTRQ  
 SQSTEASASNRFSNDSQLHDRWTF

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_014455

**ORF Size:** 912 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\\_014455.4](#)

**RefSeq Size:** 1629 bp

**RefSeq ORF:** 915 bp

**Locus ID:** 27246

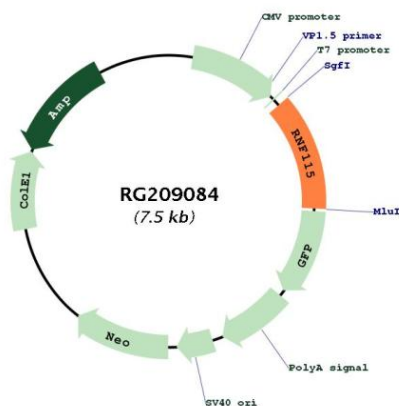
**UniProt ID:** [Q9Y4L5](#)

**Cytogenetics:** 1q21.1

**Protein Families:** Druggable Genome

**Gene Summary:** E3 ubiquitin-protein ligase that mediates E2-dependent, 'Lys-48'- and/or 'Lys-63'-linked polyubiquitination of substrates and may play a role in diverse biological processes. Through their polyubiquitination, may play a role in the endosomal trafficking and degradation of membrane receptors including EGFR, FLT3, MET and CXCR4.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RG209084