

Product datasheet for **RC209084**

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:	Myc-DDK
Symbol:	ZNF364
Synonyms:	BCA2; ZNF364
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC209084 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGAGGCTTCGGCGCCGGGGCGGACTCGGGCGCCGCTGTAGCCGCCACCGGTTTTCTGCCACT
TTTGAAGGGCGAGGTCAGCCCCAACTACCGAATATATGTCCAGATGTGAATCAGGCTTTATTGA
AGAAGTGACAGATGATTCCAGTTTTTTAGGTGGTGGCGGCAGTCGGATAGACAATACCACAACAACAT
TTTGCAGAGCTTTGGGGCATTGGATCACACGATGTTTTTTCAAGATTTTAGACCCTTTCTAAGTAGCA
GTCCACTGGACCAAGATAATAGAGCCAATGAAAGGGGTCACCAGACTCACACTGACTTCTGGGGAGCAAG
ACCTCCACGGTTGCCATTGGGTCGGAGATACAGATCTCGAGGAAGTTCTCGTCTGACAGATCTCCAGCT
ATTGAAGGAATACTACAACACATCTTTGCAGGATCTTTGCAAATCTGCCATTCCTGGATCTCCACACC
CTTTTTCTGGAGCGGGATGCTGCACTCCAACCCTGGGGACTATGCCTGGGGTCAGACAGGGCTTGATGC
CATTGTAACCCAGCTTTTAGGACAACCTGGAAAACACAGGCCCTCCCCAGCTGACAAGGAAAAGATCACA
TCTCTTCAACAGTGACAGTAACTCAGGAACAAGTTGATATGGTTTTAGAGTGTCCAGTATGCAAAGAAG
ATTACACAGTTGAAGAGGAAGTCCGGCAGTTACCTTGAATCACTTCTTTCACAGCAGTTGATTTGTGCC
GTGGCTAGAAGTGCATGACACATGTCCTGTATGTAGGAAGAGCTTAAATGGTGAGGACTCTACTCGGCAA
AGCCAGAGCACTGAGGCCTCTGCAAGCAACAGATTTAGCAATGACAGTCAGCTACATGACCGATGGACTT
TC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC209084 protein sequence
Red=Cloning site Green=Tags(s)

MAEASAAGADSGAAVAHRFFCHFCKGEVSPKLPEYICPRCESGFIEEVTDDSSFLGGGSRIDNTTTTH
 FAELWGHLDHTMFFQDFRPFLSSSPLDQDNRANERGHQTHDFWGARPPRLPLGRRYRSRGSSRPDRSPA
 IEGILQHI FAGFFANSAIPGSPHPFWSWGMLHSNPGDYAWGQTGLDAIVTQLLGQLENTGPPPADKEKIT
 SLPTVTVTQEQVDMGLECPVCKEDYTVEEVRQLPCNHFFHSSCIVPWLELHDTCPVCRKSLNGEDSTRQ
 SQSTEASASNRFSNDSQLHDRWTF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6356_f02.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_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: 1949 bp

RefSeq ORF: 915 bp

Locus ID: 27246

UniProt ID: [Q9Y4L5](#)

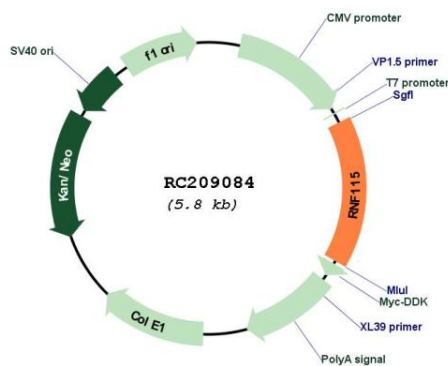
Cytogenetics: 1q21.1

Protein Families: Druggable Genome

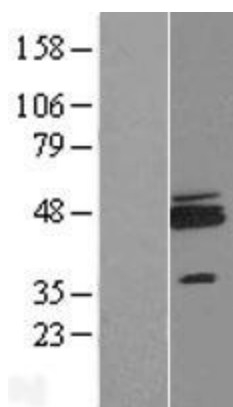
MW: 33.7 kDa

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 RC209084



Western blot validation of overexpression lysate (Cat# [LY415260]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209084 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).