

Product datasheet for **RG216619**

ZNF214 (NM_013249) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF214
Synonyms:	BAZ-1; BAZ1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG216619 representing NM_013249
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCAGTAACATTGAAGATGTGACTATTATTTTACATGGGAGGAGTGGAATTCCTGGATTCTTCTC
 AAAAAAGACTCTACAGGGAGGTGATGTGGGAGAACTACACAAATGTCATGTCAGTAGAAAACTGGAATGA
 GAGCTACAAATCCCAAGAGAAAAATTGAGATACTTAGAATATGAAAAATTTTCTACTGGCAAGGCTGG
 TGGAATGCTGGCGCCAGATGTATGAGAATCAGAACTATGGGAACTGTTCAAGGGACAGATCCAAAG
 ACCTCACACAGCAAGATCGTTCCAGTGTGAGGAATGGTTAATACTCTCCACACAAGTACCAGGGTATGG
 GAACTATGAACTGACTTTTGAAGCAAAAGTCTCAGGAACCTTAAATATAAAAATTTTATGCCTTGGCAG
 TCCTTAGAAAACAAAACTCAAGACTATGGTAGAGAAATCTACATGAGTGGTTCACATGGTTTTCAAG
 GGGGCAGATACCGTCTTGGCATATCCAGGAAAAACCTCTCCATGGAAAAAGACAGAAGCTCATAGTTCA
 GCATTTCTATATCCAGTGGAGGAAGCCCTTCCACAGTATGTTGGGTGATATGTCAAGAAGACCTACTG
 AGAGATTCAATGGAAGAAAAGTACTGTGGATGTAATAATGTAAAGGAATTTATTATTGGAACACCGGT
 GTGTTTTCCACAAGAGAAATCAACCTGGAGAAAACTCTGTCAATGCTCCATCCGTAAGCATGCTTCTC
 TCAGAGATCAGACTTGTATAGACATCCAAGAAACCATAGGTAAGAAGCTGTACGGATGTGATGAAGTT
 GACGGTAACCTTTATCAGAGCTCCGGAGTTCACCTTTCATCAGAGAGTTCACATAGGGGAGGTACCTTATA
 GCTGTAATGCATGTGGTAAGAGCTTCAGCCAGATCTCTAGTCTTCAATCATCAAAGAGTCCACACAGA
 AGAGAAATTTATAAAAATTGAGTGTGATAAAGACCTCAGTAGAAATTCATTACTTCACATTCACAGAGA
 CTTACATAGGAGAGAAGCCTTTTAAATGTAATCAGTGTGGTAAGAGTTTAAATCGGAGTTCAGTACTTC
 ATGTTTCATCAGAGAGTCCACACAGGAGAAAAACCATATAAGTGTGATGAGTGTGGTAAGGGTTTCAGCCA
 GAGCTCAAATCTTCGAATTCATCAGTTAGTACACACAGGAGAGAAGTCTTATAAATGTGAAGACTGTGGT
 AAAGGCTTTACCCAGCGCTCAAATCTTCAAATTCATCAGAGAGTGCATACAGGAGAGAAACCTTATAAAT
 GTGATGACTGTGGAAGGACTTTAGTCACAGCTCAGATCTTCGCATTATCAGAGAGTCCATACAGGGGA
 GAAACCCTATACTTGCTGCTGAATGTGGGAGGGCTTCAGTAAGAGTTCAAAGCTTCACACTCATCAAAGA
 GTACATACTGGAGAGAAAACCTACAAATGTGAAGAGTGTGGCAAGGAGTTCAGTCAGCGTTTACATCTTC
 TCATTCATCAGAGAGTCCATACAGGAGAAAAGCCCTATAAATGTCATGATTGTGGAAGGGTTTTAGTCA
 CAGTCTAATCTTCACATTCATCAGAGGGTCCATACAGGAGAGAAGCCTTATCAATGTGCTAAGTGTGGT
 AAAGGTTTCAGTCATAGCTCAGCTCTTCGAATTCATCAAAGAGTCCATGCAGGAGAGAAACCTTACAAAT
 GCCGTGAATATTATAAGGGATTGATCATAATTCACATCTTACAATAATCATAGAAGAGGAACTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG216619 representing NM_013249
 Red=Cloning site Green=Tags(s)

MAVTFEDVTIIFTWEWKFLDSSQKRLYREVMWENYTNVMSVENWNEYSKSQEEKFRYLEYENFSYWQGW
 WNAGAQMYYENQNYGETVQGTDSKDLTQQDRSQCEWLILSTQVPGYGNELTFESKSLRNLKYKNFMPWQ
 SLETKTTQDYGREIYMSGSHGFQGGYRLGISRKNLMEKEQKLIVQHSYIPVEEALPQYVGVICQEDLL
 RDSMEKEYCGCNKCKGIYWNRCVFHQRNQPGENLCQCSIRKACFSQRSDLYRHPRNHIGKKLYGCDEV
 DGNFHQSSGVHFHQRVHIGEVPSYSCNACGKFSQISSLHNHQRVHTEEFYKIECDKDL SRNSLLHIHQ
 LHIGEPFKCNQCGKSFNRSSVLHVHQRVHTGEKPYKDECGKGFSSQSSNLRIHQLVHTGEKSYKCEDCG
 KGFTQRSNLQIHQRVHTGEKPYKDDCGKDFSHSSDLRIHQVHTGEKPYTCPECGKGFSSSKLHHTQR
 VHTGEKPYKCEECGKFSQRSLLIHQRVHTGEKPYKCHDCGKGFSSSNLHIHQVHTGEKPYQCAKCG
 KGFSSSALRIHQVHAGEKPYKCREYYKGFHDHNSHLHNNHRRGNL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_013249

ORF Size: 1818 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_013249.1](#), [NP_037381.1](#)

RefSeq Size: 2628 bp

RefSeq ORF: 1821 bp

Locus ID: 7761

UniProt ID: [Q9UL59](#)

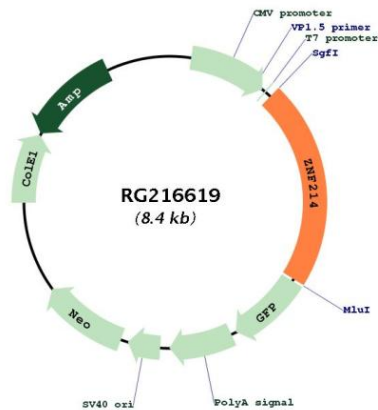
Cytogenetics: 11p15.4

Domains: KRAB, zf-C2H2

Protein Families: Transcription Factors

Gene Summary: This gene is expressed predominantly in the testis and encodes a zinc finger protein that contains an N-terminal kruppel-associated box A (KRABA) domain and twelve zinc finger domains. This gene is located within one of three regions on chromosome 11p15 associated with Beckwith-Wiedemann syndrome, called Beckwith-Wiedemann syndrome chromosome region-2 (BWSCR2), and is thought to play a role in the etiology of this disease. [provided by RefSeq, Aug 2017]

Product images:



Circular map for RG216619