

Product datasheet for **RG218195**

ZNF215 (NM_013250) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF215 (NM_013250) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF215
Synonyms:	BAZ-2; BAZ2; ZKSCAN11; ZSCAN43
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG218195 representing NM_013250
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGCCTCTGAGCAAGTTGATGGCTATCTCAAACCTCGAAACCTGTCTCTACGTGAACAAAGAGAGG
 TTCTGAGAGCAGATATGTCTTGGCAGCAGGAAACCAACCCGTCGTGGAGACACATGACTCTGAGGCATC
 TCGTCAAAGTTTCAGACATTTCCAGTATTTGAAAGTGTCTGGGCCCATGAAGCCCTGAGCCAACCTCTGG
 GAGCTCTGTCTTCAATGGCTGAGACCAGAGATTCATACAAAGAAGCAGATTATAGAACTGTTGGTCTGG
 AACAAATTCCTGGCAATCTGCCTGAAGAAGTCAGGACTTGGGTGAATTTACAACATCCAAACAACAGTAA
 AGATATGGTGACCCTCATAGAAGATGTGATTGAAATGCTTGAAGATGAAGATATGCCCTGCAAGGACTCT
 GCCCTGCAGATGGGGAGCATCAAGGAGAAAATGAAAGCTGGCTCACGAACAGGCAAACACAGGAACCAG
 TGACATTCAAAGATGTGGTTGTGGAATTCAGCAAGGAAGAGTGGGGCAACTGGACTCTGCTGTAAAGAA
 CCTGTACAGGAATGTGATGCTGGAACCTTTAGGAACCTGAATTCATTGCGTAAAGCACATCTACTTTCC
 AAACCATTTGAGAGCCTTAAGTTGGAGAGTAAGAAAAAAGATGGATAATGGAGAAAAGAAATACCAAGGA
 AGACTATTTTTGACATGAAGAGTATTTCTGGAGAAGAATCATCCCATGGAGTGATTATGACAAGGCTTAC
 CGAAAGTGACACCCCTTCTCAGATGCCTGAAAGGTGAGAATTGGTTATATAGGAACGAGAAAAATGG
 GACATAAATTTGCCACAAGAGGCTTTCATTCTGAGACATTTACACTGAGGAGGAAGATTTTGAATGTA
 GTGAAAATAAGAAAGCTTTGATATTAATTCAGTTAGCTCAATTTGTGCTATACAACTGGGAATTCCTTC
 AAGAAAGGGGTCTCCAAATGTGATAAGTTTAAACTTACTTCAAATTTAATTTAGACTCAGTAGGTAAG
 CAACATTCAGAATATGAATATGGGAATGACTTGAGTTTGAGTACAGATATTCGACACCAAAAAAGTCATA
 CTACAATGAATTCCTATGAATGTTATCAATGTGGGAAAGCCTTCTGCCGAAGTTCATCCCTTATTCGACA
 TCAGATCATTACACAGGAGAGAAACCCTATAAATGCAGTGAATGTGGGAGATTCTTCAACCGACGTACA
 AACCTTACTAAGCATCAAAAACCTCATGCTGAAGCAAAGGCTGCACAAGCAATAAATGTGGAAAGGCTT
 TCAGTAAAGTGAAGACAGTAATAATCCAACACTCCATTTTGGAAACAATTTCTATCAATGTGTTAACTG
 TGGAAATCCTTCAACCGGAGCTCCTCTTATTCGACACCAATGATTCACACGGGAGAGAAACCATTC
 AAATGTAAGGAATGTAGTAAAGCCTTCAACAGGAGTTCAAACCTTGTTAAACATCAAAAACCTGCATACTC
 GAGATAAGTCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

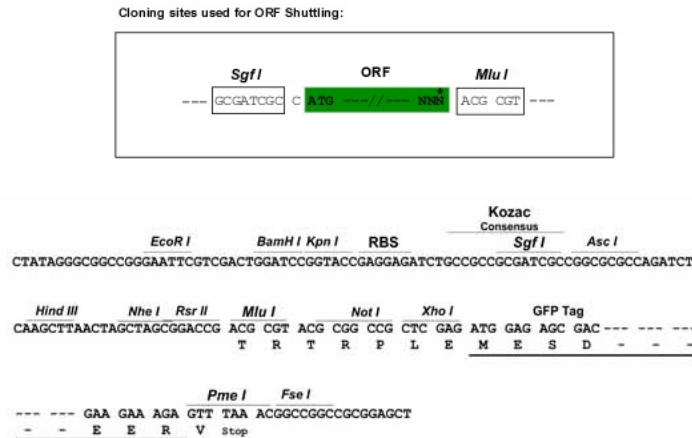
>RG218195 representing NM_013250
 Red=Cloning site Green=Tags(s)

MQPLSKLMAISKPRNLSLREQREVLADMSWQETNPVVETHDSEASRQKFRHFQYLKVSQPHEALSQWL
 ELCLQWLRPEIHTKKQIIELLVLEQFLAILPEEVRTWVNLQHPNNSKDMVTLIEDVIEMLEDEDMPCKDS
 ALQMGSIKEKMKAGSRTGKPQEPVTFKDVVVEFSKEEWGLDSAVKNLYRNVMLENFRNLNSLRKAHLLS
 KPFESLKLKSKKKRWIMEKEIPRKTIIFDMKSISGEESHGVMITRLTESGHPSSDAWKGENWLYRNQKKW
 DINLPQEAFIGETIYTEEEDEFECSENKKSFDINSVSSICAIQLGIPSRKGSPPKCDKFTYFKFNLDVSGK
 QHSEYEGNDLSLSTDIRHQKSHHTMNSYECYQCGKAFRCSSSLIRHQIHTGEKPYKCEGCRFFNRRT
 NLTKHQKLHAEAKACTSNKCGKAFSKSEDSNNPTLHFGNNFYQCVNCGKSFNRSSSLIRHQMIHTGEKPF
 KCKECSKAFNRSSNLVKHQKLHTRDKS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_013250

ORF Size: 1551 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_013250.1, NP_037382.1](#)

RefSeq Size: 3480 bp

RefSeq ORF: 1554 bp

Locus ID: 7762

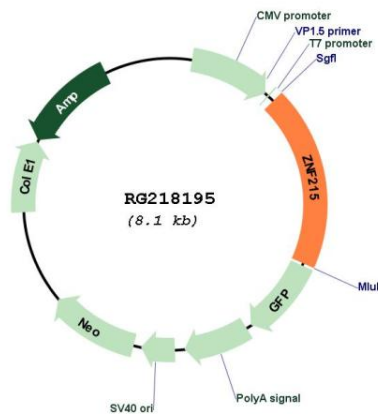
UniProt ID: [Q9UL58](#)

Cytogenetics: 11p15.4

Protein Families: Transcription Factors

Gene Summary: This gene is imprinted in a tissue-specific manner with preferential expression in the testis, and encodes a zinc finger protein that belongs to a family of zinc finger transcription factors. The encoded protein contains an N-terminal SRE-ZBP, Ctfin51, AW-1, and Number 18 (SCAN) domain, a kruppel-associated box A (KRABA) domain, and four C-terminal 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 RG218195