

Product datasheet for **RC218195**

ZNF215 (NM_013250) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF215 (NM_013250) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF215
Synonyms:	BAZ-2; BAZ2; ZKSCAN11; ZSCAN43
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC218195 representing NM_013250
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGCCTCTGAGCAAGTTGATGGCTATCTCAAACCTCGAAACCTGTCTCTACGTGAACAAAGAGAGG
 TTCTGAGAGCAGATATGTCTTGGCAGCAGGAAACCAACCCGTCGTGGAGACACATGACTCTGAGGCATC
 TCGTCAAAGTTCCAGACATTTCCAGTATTTGAAAGTGTCTGGGCCCATGAAGCCCTGAGCCAACCTCTGG
 GAGCTCTGTCTTCAATGGCTGAGACCAGAGATTACATAAAGAAGCAGATTATAGAAGTGTGGTCTGG
 AACAAATTCCTGGCAATCTGCCTGAAGAAGTCAGGACTTGGGTGAATTTACAACATCCAAACAACAGTAA
 AGATATGGTGACCCTCATAGAAGATGTGATTGAAATGCTTGAAGATGAAGATATGCCCTGCAAGGACTCT
 GCCCTGCAGATGGGGAGCATCAAGGAGAAAATGAAAGCTGGCTCACGAACAGGCAAACACAGGAACAG
 TGACATTCAAAGATGTGGTTGTGGAATTCAGCAAGGAAGAGTGGGGCAACTGGACTCTGCTGTAAGAA
 CCTGTACAGGAATGTGATGCTGGAACCTTTAGGAACCTGAATTCATTGCGTAAAGCACATCTACTTTCC
 AAACCATTTGAGAGCCTTAAGTTGGAGAGTAAGAAAAAAGATGGATAATGGAGAAAGAAATACCAAGGA
 AGACTATTTTTGACATGAAGAGTATTTCTGGAGAAGAATCATCCCATGGAGTGATTATGACAAGGCTTAC
 CGAAAGTGACACCCCTTCTCAGATGCCTGGAAAGGTGAGAATTGGTTATATAGGAACGAGAAAAATGG
 GACATAAATTTGCCACAAGAGGCTTTCATTCTGAGACATTTACACTGAGGAGGAAGATTTTGAATGTA
 GTGAAAATAAGAAAGCTTTGATATTAATTCAGTTAGCTCAATTTGTGCTATACAAGTGGGAATTCCTTC
 AAGAAAGGGGTCTCCAAATGTGATAAGTTTAAACTTACTTCAAATTTAATTTAGACTCAGTAGGTAAG
 CAACATTCAGAATATGAATATGGGAATGACTTGAGTTTGAAGTACAGATATTCGACACCAAAAAAGTCATA
 CTACAATGAATTCCTATGAATGTTATCAATGTGGGAAAGCCTTCTGCCGAAGTTCATCCCTTATTCGACA
 TCAGATCATTACACAGGAGAGAAACCCCTATAAATGCAGTGAATGTGGGAGATTCTTCAACCGACGTACA
 AACCTTACTAAGCATCAAAACTTCATGCTGAAGCAAAGGCTGCACAAGCAATAAATGTGGAAAGGCTT
 TCAGTAAAGTGAAGACAGTAATAATCCAACACTCCATTTTGGAAACAATTTCTATCAATGTGTTAACTG
 TGGAAATCCTTCAACCGGAGCTCCTCTTATTCGACACCAATGATTCACACGGGAGAGAAACCATTC
 AAATGTAAGGAATGTAGTAAAGCCTTCAACAGGAGTTCAAACCTTGTTAAACATCAAAACTGCATACTC
 GAGATAAGTCC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC218195 representing NM_013250
 Red=Cloning site Green=Tags(s)

MQPLSKLMAISKPRNLSLREQREVLRAADMSWQETNPVVETHDSEASRQKFRHFQYLKVSQPHEALSQWL
 ELCLQWLRPEIHTKKQIIELLVLEQFLAILPEEVRTWVNLQHPNNSKDMVTLIEDVIEMLEDEDMPCCKDS
 ALQMGSIKEKMKAGSRTGKPQEPVTFKDVVVEFSKEEWQLDSAVKNLYRNVMLNFRNLNSLRKAHLLS
 KPFESLKLESKKRWIMEKEIPRKTIFDMKSISGEESHGVMITRLTESGHPSSDAWKGENWLYRNQKKW
 DINLPQEAIPETIYTEEEDFECSENKKSFDINSVSSICAIQVGIPSRKGSPPKCDKFKTYFKNLDSVGK
 QHSEYEYGNLSTDIRHQSHHTMNSYECYQCGKAFRCSSSLIRHQIHTGEKPYKCECGRFFNRRT
 NLTKHQKLHAEAKACTSNKCGKAFSKSEDSNNPTLHFGNNFYQCVNCGKSFNRSSSLIRHQMIHTGEKPF
 KCKECSKAFNRSSNLVKHQKLHTRDKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8016_b03.zip

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_013250.4](#)

RefSeq Size: 3480 bp

RefSeq ORF: 1554 bp

Locus ID: 7762

UniProt ID: [Q9UL58](#)

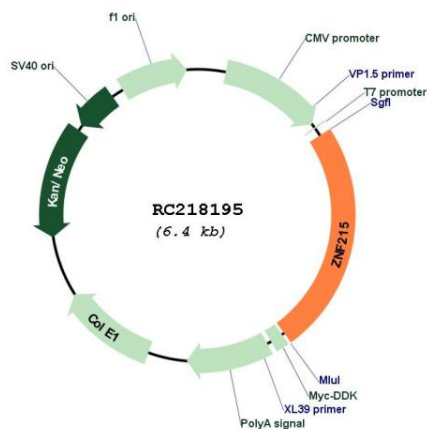
Cytogenetics: 11p15.4

Protein Families: Transcription Factors

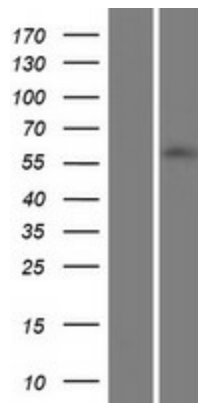
MW: 59.9 kDa

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 RC218195



Western blot validation of overexpression lysate (Cat# [LY415709]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC218195 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).