

## Product datasheet for **RG234436**

### **ZNF195 (NM\_001242843) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ZNF195 (NM_001242843) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF195
Synonyms:	HRF1; ZNFP104
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG234436 representing NM\_001242843  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTGGTGCTCAGACTCTGTTGACGTTCAAGGATGTGGCCATAGAATTCTCCCTGGAGGAGTGGAAAT  
 GCCTGGACCTCGCTCAGCAGAATTTGTACAGGGATGTGATGTTGGAGAACACAGAAACTGTTCTCCGT  
 TGGTCTCACTGTCTGTAAGCCAGGCCTGATCACCTGCCTGGAGCAACGAAAAGAGCCCTGGAATGTGAAG  
 AGACAGGAGGCAGCAGACGGACATCCAGCTATGTCTTCTCATTTCACCAAGACCTTCTGCCAGAGCAGG  
 GCATACAAGATGCATTCCAAAAAGAATACTGAGAGGATATGGAATTTGGCCTTGATAATTTATATTT  
 AAGGAAAGACTGGGAAAGTTTAGATGAGTGAAGTTGCAAAAAGATTATAATGGACTTAACCAATGTTCA  
 TCACTACCCATAGCAAAATCTTCAATATAATAAATATGTTAAAATCTTTGATAACTTTTCAAATTTAC  
 ATAGACGTAATAAAGTAATACTGGAGAGAAACCTTTCAAATGTCAAGAATGTGGCAAATCTTTCAAAT  
 GCTCTCATTCTCACTGAACATCAGAAAATTCACACTGGAAAAAATTCAAAAATGTGGAGAATGTGGC  
 AAAACCTTTATCCAGTGCACACTTTACTGAACCTGAGAACATTGACACTGGAGAGAAACCTTACAAGT  
 GTCAAGAATGTAACAACGTCATTAACCTGCTCAGTCCTTACTAAAAATAGAATTTATGCCGGAGGGGA  
 ACATTACAGATGTGAAGAATTTGGCAAAGTATTTAACCAGTGTCCCACCTTACTGAACATGAGCATGGT  
 ACTGAGGAAAAACCTGCAAAATGAAGAGTGCAGCAGTGTCTTATCTCTTGTCAAGCCTTTCTAATC  
 AACAGATGATTCTTGCTGGAGAGAAGCTCTCAAATGTGAAACATGGTACAAAGGTTTTAACCACAGCCC  
 AAATCCTTCCAAACACCAGAGAAATGAGATTGGAGGAAACCTTTCAAATGTGAGGAATGTGACAGCATC  
 TTCAAGTGGTTCTCAGACCTTACTAAACATAAGAGAATTCACACTGGTGAAGAACCATACAAATGTGACG  
 AATGTGGGAAAGCCTATACACAGTCTCACACCTCAGTGAACACAGGAGGATTACACCCGGAGAGAAACC  
 CTACCAATGTGAAGAATGTGGGAAAGTCTTCAGAACTTGCTCAAGCCTTTCTAACCATAAGAGAATCAT  
 TCTGAAGAAAAACCTACACGTGTGAAGAATGTGGCAACATCTTTAAGCAGTTATCAGACCTCACTAAGC  
 ATAAGAAAAACCCATACTGGAGAGAAGCCCTACAAATGTGACGAATGTGGAAAAAATTTACCCAGTCTC  
 CAACCTTATTGTACATAAGAGAATTCATACTGGAGAGAAACCTACAAGTGTGAAGAATGTGGCAGAGTC  
 TTCATGTGGTTCTCAGACATTACCAAACATAAGAAAAACCCATACTGGAGAGAAACCTACAATGTGACG  
 AATGTGGAAAAAATTTACCCAGTCTCAAACCTTATTGTACATAAGAGAATTCATACTGGAGAGAAACC  
 CTACAAGTGTGAAAAGTGTGGCAAAGCCTTACCCAGTCTCACACCTGACTGTACATGAAAGCATTTCAT  
 ACT

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG234436 representing NM\_001242843  
 Red=Cloning site Green=Tags(s)

MAGAQLLTFRDVAIEFSLSEEWKCLDLAQONLYRDMLENYRNLFSVGLTVCKPGLITCLEQRKEPWNVK  
 RQEAADGHPAMSSHFTQDLLPEQGIQDAFPKRILRGYGNCLDNLRLKDWESLDECKLQKDYNGLNQCS  
 STTHSKIFQYNKYVKIFDNFNSLHRRNISNTGEKPFKQCEGKSFQMLSFLTEHQIHTGKFKQKCGECG  
 KTFIQCSHFTEPENIDTGEKPYKCQECNNVIKTCVLTKNRIYAGGEHYRCEEFGKVFNQCSHLTEHEHG  
 TEEKPCKYEECSSVFISSSLSNQQMILAGEKLSKCETWYKGFNHPNPSKHQRNEIGGKPFKCEECDSI  
 FKWFSDLTKHKRIHTGEKPYKCDECGKAYTQSSHLSEHRRIHTGEKPYQCEECGVFRTCSSLSNHKRTH  
 SEEKPYTCEECGNIFKQLSDLTKHKKTHTEKPYKCDECGKNFTQSSNLI VHKRIHTGEKPYKCEECGRV  
 FMWFSDITKHKKTHTEKPYKCDECGKNFTQSSNLI VHKRIHTGEKPYKCEKCGKAFQTQFSLTVHESIHT  
 T

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001242843

**ORF Size:** 1683 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\\_001242843.2](#)

**RefSeq Size:** 3146 bp

**RefSeq ORF:** 1686 bp

**Locus ID:** 7748

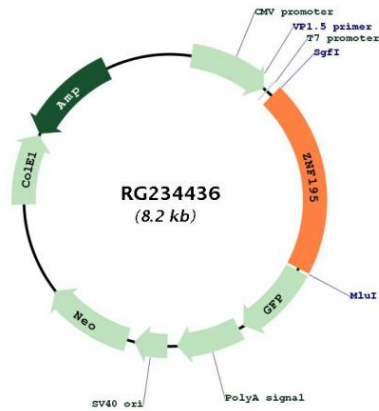
**UniProt ID:** [O14628](#)

**Cytogenetics:** 11p15.4

**Protein Families:** Transcription Factors

**Gene Summary:** This gene encodes a protein belonging to the Krueppel C2H2-type zinc-finger protein family. These family members are transcription factors that are implicated in a variety of cellular processes. This gene is located near the centromeric border of chromosome 11p15.5, next to an imprinted domain that is associated with maternal-specific loss of heterozygosity in Wilms' tumors. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2012]

**Product images:**



Circular map for RG234436