

Product datasheet for **RG234558**

ZNF195 (NM_001242841) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF195 (NM_001242841) 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:

>RG234558 representing NM_001242841
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTGGTGCTCAGACTCTGTTGACGTTCAAGGATGTGGCCATAGAATTCTCCCTGGAGGAGTGGAAAT
 GCCTGGACCTCGCTCAGCAGAATTTGTACAGGGATGTGATGTTGGAGAACACAGAACTTGTCTCCGT
 TGGTCTACTGTCTGTAAGCCAGGCCTGATCACCTGCCTGGAGCAACGAAAAGAGCCCTGGAAATGTGAAG
 AGACAGGAGGCAGCAGACGGACATCCAGAGATGGGATTTACCATGCTACTCAGGCTTGTCTTGAACCTCC
 TGGGCTCAAGCGATCTGCCTGCCTCAGCCTCCCAAAGTCTGGGATTACAGGTGTGAACCACCGTGCCCA
 GCCAGGCCTCAATGTTTCTGTGGACAAATTCAGTCTATGCTTCTCATTTTACCAAGACCTTCTGCCA
 GAGCAGGGCATAACAAGATGCATCCAAAAAGAATACTGAGAGGATATGGAAATGTGGCCTTGATAATT
 TATATTTAAGGAAAGACTGGGAAAGTTAGATGAGTGAAGTTGCAAAAAGATTATAATGGACTTAACCA
 ATGTTTCATCAACTACCCATAGCAAAATCTTCAATATAATAAATATGTTAAAATCTTTGATAACTTTTCA
 AATTTACATAGACGTAATAATAAGTAATACTGGAGAGAAACCTTTCAAATGTCAAGAATGTGGCAAACTCT
 TTCAAATGCTCTCATTCTAACTGAACATCAGAAAATTCACACTGGAAAAAATTCAAAAATGTGGAGA
 ATGTGGCAAAACCTTTATCCAGTCTCACACTTTACTGAACCTGAGAACATTGACACTGGAGAGAAACCT
 TACAAGTGTCAAGAATGTAAACAGTCATTAACCTTGTCTCAGTCCTTACTAAAAATAGAATTTATGCCG
 GAGGGGAACATTACAGATGTGAAGAATTTGGCAAAAGTATTTAACCAAGTCTCCACCTTACTGAACATGA
 GCATGGTACTGAGGAAAAACCTGCAAAATGAAGAGTGCAGCAGTGTCTTTATCTTGGCTCAAGCCTT
 TCTAATCAACAGATGATCTTGTCTGGAGAGAAGCTCTCAAATGTGAAACATGGTACAAAAGGTTTTAACCC
 ACAGCCCAAATCTTCCAAACACCAGAGAAATGAGATTGGAGGGAAACCTTTCAAATGTGAGGAATGTGA
 CAGCATCTTCAAGTGGTTCTCAGACCTTACTAAACATAAGAGAATTCACACTGGTGAGAAACCATACAAA
 TGTGACGAATGTGGGAAAGCCTATACACAGTCTCACACCTCAGTGAACACAGGAGGATTCACACCGGAG
 AGAAACCTACCAATGTGAAGAATGTGGGAAGGTCTTCAGAACTTGTCAAGCCTTTCTAACATAAGAG
 AACTCATTCTGAAGAAAAACCTACACGTGTGAAGAATGTGGCAACATCTTTAAGCAGTTATCAGACCTC
 ACTAAGCATAAGAAAACCCATACTGGAGAGAAGCCCTACAAATGTGACGAATGTGGAAAAAATTTACCC
 AGTCTCCAACCTTATTGTACATAAGAGAATTCATACTGGAGAGAAACCTACAAGTGTGAAGAATGTGG
 CAGAGTCTTCATGTGGTTCTCAGACATTACCAACATAAGAAAACCCATACTGGAGAGAAACCTACAAA
 TGTGACGAATGTGGAAAAAATTTACCCAGTCTCAAACCTTATTGTACATAAGAGAATTCATACTGGAG
 AGAAACCTACAAGTGTGAAAAGTGTGGCAAGCCTTACCCAGTCTCACACCTGACTGTACATGAAAG
 CATTCACTACT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG234558 representing NM_001242841
 Red=Cloning site Green=Tags(s)

MAGAQTLLTFRDVAIEFSLEEWKCLDLAQQNLYRDVMLENYRNLFVSVGLTVCKPGLITCLEQRKEPWNVK
 RQEAADGHPMGFHHATQACLELLGSSDLPASASQSAGITGVNHRAPGLNVSDVKFTAMSSHFTQDLLP
 EQGIQDAFPKRIILRGYGNCLDNLVLRKDWESLDECKLQKDYNGLNQCSSTTHSKIFQYNKYVKIFDNFS
 NLHRRNISNTGEKPFKCEGKSFQMLSFLTEHQKIHTGKKFQKCGECGKTFIQCSHFTEPENIDTGEKP
 YKCECENNVIKTCSVLTKNRIYAGGEHYRCEEFQKVFNQCSHLTEHEHGTEEKPKYEECSSVFISSSSL
 SNQQMILAGEKLSKCETWYKGFNHPNPSKHQRNEIGGKPFKCEECDSIFKWFSDLTKHKRIHTGEKPYK
 CDECGKAYTQSSHLSEHRRHTGEKPYQCECGKVFRTCSSLSNHKRTHSEEKPYTCEECGNIFKQLSDL
 TKHKKTHTGEKPYKDECGKNFTQSSNLIVHKRIHTGEKPYKCEECGRVFMWFSIDITKHKKTHTGEKPYK
 CDECGKNFTQSSNLIVHKRIHTGEKPYKCEKCGKAFQFSLTVHESIHT

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001242841

ORF Size: 1830 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_001242841.2](#)

RefSeq Size: 3293 bp

RefSeq ORF: 1833 bp

Locus ID: 7748

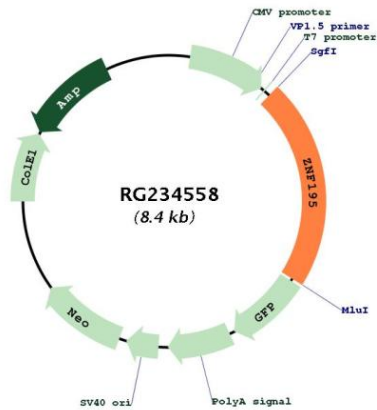
UniProt ID: [O14628](#)

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 RG234558