

Product datasheet for **RG207207**

ZNF539 (ZNF254) (NM_203282) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF539 (ZNF254) (NM_203282) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF254
Synonyms:	BMZF-5; HD-ZNF1; ZNF91L; ZNF539
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

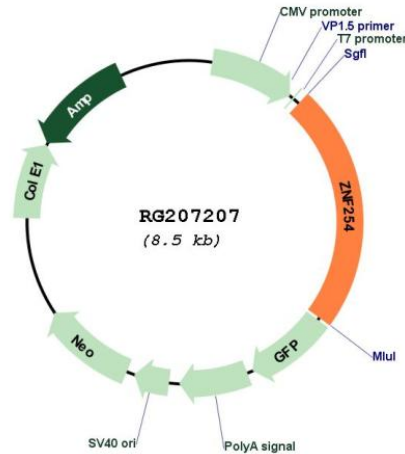
>RG207207 ORF sequence, **codon optimized**.
 Due to the complexity of NM_203282, the ORF clone is codon optimized for mammalian Expression.
 The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGCCAGGTCCACCAGTCCCTGGAAATGGGGCTTCTCACGTTCCGGGACGTAGCCATTGAGTTTAGCC
 TCGAGGAATGGCAGCATCTGGACATAGCCAGCAGAACCTGTACCGCAACGTGATGCTTGAGAACTACCG
 AAATTTGGCCTTTCTGGGGATCGCCGTGAGCAAACCTGATCTGATCACGTGTCTTGAGCAGGGAAAAGAA
 CCGTGGAAATGAAGAGACATGAAATGGTGGACGAGCCACCGGGCATGTGCCACACTTTGCCCAGGATC
 TTTGGCCTGAGCAGGGCATGGAAGATAGCTTTCAAAGGCAATCCTGCGCAGATACGGGAAGTACGGTCA
 CGAGAATCTGCAGCTGCGCAAGGGATGTAAAAGTGTGCGCAATACAAAGTCAACAAGAAGGATATAAT
 GGTCTTAACAGTGTTCACAACGGCCAGAGCAAGGTGTTCCAGTGGCATAAATATCTCAAGGTGTTCT
 ACAAATTTCTTAATTCACAACAGACCAAAGATCCGGCATACCGAGAAAAAGTCTTTTAAGTGCAAAAAAGCG
 GGTCAAGCTTTTTTGCATGTCTCATAAGACCCAGCACAAAAGTATATACCACCGGAAAAATCTTAT
 AAGTGAAGGAGTGTGGGAAAACTTTTAACTGGAGTTCACGTTGACGAATCACAGGAAAATCTATACTG
 AGGAAAAGCCTTACAAAATGCGAGGAGTATAACAAGTCTCAAAGCAGTTGTCAACCCTTACTACACATGA
 GATTATCCACGCCGGCGAAAAGCTGTACAAAATGTGAAGAATGCGGAGAAGCTTTCAATAGGTCATCAAAC
 CTCACCACACATAAAAATTATCCACACCGCGAAAAGCCTTACAAGTGCAGGAGTGCAGGAAAAGGCATTTA
 TCTGGAGTAGCACGCTTACAGAACATAAAAAGATCCACACTCGAAAAGAAACCATATAAGTGCGAAGAGTG
 CGGTAAGGCATTTATCTGGTCTTCCACACTCACTAGGCATAAAAAGAAATGCACACCGGGAAAAACCATAT
 AAGTGTGAAGAATGCGGAAAGGCTTTCTCACAGTCCAGCACACTGACCACTCACAAGATAATTCACACCG
 GGGAGAAACGCTACAAAATGCCTCGAGTGCAGGAAAGGCTTTTAAACAGCTGTCAACCCTCACAACCCATAA
 GATTATACACGTCGGGAAAAGCTCTACAAGTGCAGGAGTGCAGGAAAGGATTCAATCGGAGCAGCAAC
 CTGACAACCCATAAAAATAATTCACACAGGAGAAAAGCCGTACAAGTGCAGGAGTGTGGTAAAGCATTTA
 TCTGGAGCAGCACACTGACTAAACACAAGAGAATTCACACGAGGAAAAGCCCTACAAGTGTGAAGAGTG
 TGGGAAGGCATTTATCTGGTCTAGCACCTTACTCGACACAAGAGAATGCATACAGGAGAGAAGCCCTAT
 AAGTGCAGGAAATGCGGCAAGTCTTTTTCCAGTCTCTACTCTACTACCCATAAGATAATCCACACTG
 GTGAGAAGCCTTATAAATGCGAAGAATGCGGGAAGGCATTTAACTGGAGCTCTACTCTACTAAACACAA
 AATCATCCATACCGAGGAGAAAACCATATAAATGCGAAAAATGTGGTAAGGCATTTAAACAGTCCAGCATA
 CTCACCAATCACAAACGGATTACACCGGGGAGAAAGCCCTACAAATGCGAGGAATGCGGCAAGTCTTTA
 ACAGGTCTACTTTTACCAAGCACAAAGTTATCCATACTGGCGTAAAACCTTACAAGTGCAGGAGTG
 TGGCAAGGCATTTCTTTGGTCTAGCACACTGACAAAGCACAAAAGAATACATACCGGGGAACAACCTTAC
 AAATGGGAAAAATTTGGCAAGGCGTTCAACCGCAGCAGTCATCTGACTACTGACAAGTCACTCACTGGC
 GCGAAATCTTCAAGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Plasmid Map:


ACCN: NM_203282

ORF Size: 1977 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_203282.2](#), [NP_975011.3](#)

RefSeq Size: 4127 bp

RefSeq ORF: 1980 bp

Locus ID: 9534

UniProt ID: [O75437](#)

Cytogenetics: 19p12

Protein Families: Transcription Factors

Gene Summary: Zinc finger proteins have been shown to interact with nucleic acids and to have diverse functions. The zinc finger domain is a conserved amino acid sequence motif containing 2 specifically positioned cysteines and 2 histidines that are involved in coordinating zinc. Kruppel-related proteins form 1 family of zinc finger proteins. See ZFP93 (MIM 604749) for additional information on zinc finger proteins.[supplied by OMIM, Jul 2002]