

## Product datasheet for **RC238950**

### ZNF539 (ZNF254) (NM\_001278678) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF539 (ZNF254) (NM_001278678) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF254
Synonyms:	BMZF-5; HD-ZNF1; ZNF91L; ZNF539
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RC238950 representing NM\_001278678  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTGTCCTCATTTTCTCAAGACCTTTGGCCAGAGCAGGGCATGGAAGATTCTTTTCAAAAAGCAATAC  
 TGAGAAGATATGGAAAATATGGACATGAGAATTTACAGTTAAGAAAAGGCTGTAAAAGTGTGGATGAGTA  
 TAAGGTGAACAAAGAAGTTATAATGGACTTAACCAAGTGTTCACAACCTGCCAGAGCAAAGATTTCAA  
 TGTGATAAATATTTGAAAGTCTTCTATAAATTTTAAATTCAAACAGACCTAAGATAAGACATACTGAAA  
 AGAAATCTTTCAAATGTAAAAACGTGTCAAATTTTTCATGCTTTTACATAAAACCCACACAAAAG  
 CATTTATCATAGAGAGAAGTCTACAAATGTAAAGAATGTGAAAAACCTTAATTTGGTCTCAACCCTT  
 ACTAATCATAGGAAAATTTATACTGAAGAGAAACCTTACAAATGTGAAGAATAAACAATCTCCTAAGC  
 AACTCTCAACCCTTACTACACATGAAATAATTCATGCTGGAGAGAACTTACAAATGTGAAGAATGTGG  
 TGAAGCTTTAATCGATCCTCAAATCTTACTACACATAAGATAATTCATACTGGAGAGAAACCTTACAAG  
 TGTGAAGAATGTGGCAAAGCATTATCTGGTCTCAACCCTTACTGAGCATAAGAAAATTCATACTAGAA  
 AGAAAACCTACAAGTGTGAAGAATGTGGCAAAGCATTATATGGTCTCAACACTAACTAGACATAAGAG  
 GATGCACACTGGAGAGAAACCTACAAATGTGAAGAATGTGGCAAAGCTTTTAGCCAGTCTCAACCCTT  
 ACTACACATAAGATAATTCATACTGGAGAGAAACGCTACAAATGCTTAGAATGTGGCAAAGCTTTAAGC  
 AACTCTCAACTCTTACTACATAAAAATAATTCATGTTGGAGAGAACTTACAAATGTGAAGAATGCGG  
 CAAAGGTTTTAATCGATCTTCAAATCTTACTACACATAAGATAATTCATACTGGAGAGAAACCTTACAAG  
 TGTGAAGAATGTGGCAAAGCATTATCTGGTCTCAACCCTTACTAAACATAAGAGAATTCATACTAGAG  
 AGAAAACCTACAAATGTGAAGAATGTGGCAAAGCATTATATGGTCTCAACCCTAACTAGACATAAGAG  
 GATGCACACTGGAGAGAAACCTACAAATGTGAAGAATGTGGCAAATCTTTTAGCCAATCTCAACCCTT  
 ACTACACATAAGATAATTCATACTGGAGAGAAACCTACAAATGTGAAGAATGTGGCAAAGCCTTTAACT  
 GGTCTCAACTCTTACTAAACATAAGATAATTCATACTGAAGAGAAACCTACAAATGTGAAAAATGTGG  
 CAAAGCCTTTAAGCAGTCTTCAATCCTTACTAACCATAAGAGAATTCATACTGGAGAGAAACCTATAAA  
 TGTGAAGAATGTGGCAAATCTTTAACCAGTCTTCAACTTTTACTAAACATAAGGTAATTCATACTGGAG  
 TAAAACCTACAAATGTGAAGAATGTGGCAAAGCATTTTCTGGTCTCAACCCTAACTAAACATAAGAG  
 AATTCATACTGGAGAGCAACCCTACAAATGGGAAAAATTTGGCAAAGCCTTTAATCGTCTCGCACCTC  
 ACCACAGATAAGATAACTCATTGGAGAGAAATCTTACAAGTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238950 representing NM\_001278678  
 Red=Cloning site Green=Tags(s)

MCPHFAQDLWPEQGMEDSFQKAILRRYKYGHENLQLRKGCKSVDEYKVNKEGYNGLNQCFTTAQSKVVFQ  
 CDKYLKVFYKFLNSNRPKIRHTEKKSFKCKKRVKLCMLSHKTQHKSIYHREKSYKCKEKGTFNWSSTL  
 TNHRKIYTEEKPYKCEEYKSPKQLSTLTTHKIIHAGEKLYKCEECEAFNRSSNLTTHKIIHTGEKPYK  
 CEECGKAFIWSSTLTEHKKIHTRKKPYKCEEKAFIWSSTLTRHKRMHTGEKPYKCEEKAFSFSSTL  
 TTHKIIHTGEKRYKCLECGKAFKQLSTLTTHKIIHVGEKLYKCEEKGFNRSSNLTTHKIIHTGEKPYK  
 CEECGKAFIWSSTLTKHKRIHTREKPYKCEEKAFIWSSTLTRHKRMHTGEKPYKCEEKGFNSFSSTL  
 TTHKIIHTGEKPYKCEEKAFNWSSTLTKHKIIHTEEKPYKCEKCGKAFKQSSILTNNKRIHTGEKPYK  
 CEECGKSFNRSSFTKHKVIHTGVKPYKCEEKGAFFWSSTLTKHKRIHTGEQPYKWEKGFKAFNRSSHL  
 TTDKITHWREILQV

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI



<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001278678.1</a> , <a href="#">NP_001265607.1</a>
<b>RefSeq Size:</b>	3904 bp
<b>RefSeq ORF:</b>	1725 bp
<b>Locus ID:</b>	9534
<b>Cytogenetics:</b>	19p12
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	67.8 kDa
<b>Gene Summary:</b>	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]