

Product datasheet for **RC238990**

ZNF539 (ZNF254) (NM_001278664) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF539 (ZNF254) (NM_001278664) 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:

>RC238990 representing NM_001278664
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGCGACATGAGATGGTGGATGAACCCCCAGGTATGTGCCTCATTTTGCTCAAGACCTTTGGCCAG
 AGCAGGGCATGGAAGATTCTTTTCAAAAAGCAATACTGAGAAGATATGGAAAATATGGACATGAGAATTT
 ACAGTTAAGAAAAGGCTGTAAAAGTGTGGATGAGTATAAGGTGAACAAAGAGGTTATAATGGACTTAAC
 CAGTGTTCACAACCTGCCAGAGCAAAGTATTTCAATGTGATAAAATTTGAAAGCTTCTATAAATTTT
 TAAATTCAAACAGACCTAAGATAAGACATACTGAAAAGAAATCTTTCAAATGTAAAAACGTGTCAAATT
 ATTTTGCATGCTTTCACATAAAACCCAACAAAAAGCATTTATCATAGAGAGAAGTCTACAAATGTAAA
 GAATGTGGAAAAACCTTTAATTGGTCCTCAACCCTTACTAATCATAGGAAAATTTATACTGAAGAGAAAC
 CTTACAAATGTGAAGAATAACAAATCTCCTAAGCAACTCTCAACCCTTACTACACATGAAATAATTCA
 TGCTGGAGAGAACTCTACAAATGTGAAGAATGGTGAAGCTTTAATCGATCCTCAAATCTTACTACA
 CATAAGATAATTCATACTGGAGAGAAACCTTACAAGTGTGAAGAATGTGGCAAAGCATTTATCTGGTCCT
 CAACCCTTACTGAGCATAAGAAAATTCATACTAGAAAAGAAACCTACAAGTGTGAAGAATGTGGCAAAGC
 ATTTATATGGTCCTCAACACTAAGACATAAGAGGATGCACACTGGAGAGAAACCTACAAATGTGAA
 GAATGTGGCAAAGCTTTAGCCAGTCTCAACCCTTACTACACATAAGATAATTCATACTGGAGAGAAAC
 GCTACAAATGCTTAGAATGTGGCAAAGCTTTAAGCAACTCTCAACTCTTACTACACATAAAAAAATTCA
 TGTTGGAGAGAACTCTACAAATGTGAAGAATGCGGCAAAGGTTTTAATCGATCTCAAATCTTACTACA
 CATAAGATAATTCATACTGGAGAGAAACCTTACAAGTGTGAAGAATGTGGCAAAGCATTTATCTGGTCCT
 CAACCCTTACTAAACATAAGAGAATTCATACTAGAGAGAAACCTACAAATGTGAAGAATGTGGCAAAGC
 ATTTATATGGTCCTCAACCCTAAGACATAAGAGGATGCACACTGGAGAGAAACCTACAAATGTGAA
 GAATGTGGCAAATCTTTAGCCAATCCTCAACCCTTACTACACATAAGATAATTCATACTGGAGAGAAAC
 CCTACAAATGTGAAGAATGTGGCAAAGCTTTAAGTGGTCCTCAACTCTTACTAAACATAAGATAATTCA
 TACTGAAGAGAAACCTACAAATGTGAAAATGTGGCAAAGCTTTAAGCAGTCTTCAATCCTTACTAAC
 CATAAGAGAATTCATACTGGAGAGAAACCTATAAATGTGAAGAATGTGGCAAATCTTTAACCGGTCTT
 CAACTTTTACTAAACATAAGGTAATTCATACTGGAGTAAAACCTACAAATGTGAAGAATGTGGCAAAGC
 ATTTTTCTGGTCCTCAACCCTAAGACATAAGAGAATTCATACTGGAGAGCAACCCTACAAATGGGAA
 AAATTTGGCAAAGCTTTAATCGGTCTCGCACCTCACCACAGATAAGATAACTCATTGGAGAGAAATCT
 TACAAGTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238990 representing NM_001278664
 Red=Cloning site Green=Tags(s)

MKRHEMVDPEPGMCPHFAQDLWPEQGMEDSFQKAILRRYGYGHENLQLRKGCKSVDEYKVNKEGYNGLN
 QCFTTAQSKVFQCDKYLKVFYKFLNSNRPKIRHTEKKSFKCKRVLFCMLSHKTQHKSIYHREKSYKCK
 ECGKTFNWSSTLTNHRKIYTEEKPYKCEEYKNSPKQLSTLTTHEIIHAGEKLYKCEECEGAFNRSSNLTT
 HKIIHTGEKPYKCEEKAFIWSSTLTEHKKIHRKPKYKCEEKAFIWSSTLTRHKRMHTGEKPYKCE
 ECGKAFSFSSTLTTHKIIHTGEKRYKLECGKAFKQLSTLTTHKIIHVGEKLYKCEEKGFNRSSNLTT
 HKIIHTGEKPYKCEEKAFIWSSTLTCHKRIHTREKPYKCEEKAFIWSSTLTRHKRMHTGEKPYKCE
 ECGKSFSSSTLTTHKIIHTGEKPYKCEEKAFNWSSTLTCHKIIHTEEKPYKCEKCGKAFKQSSILTN
 HKRIHTGEKPYKCEEKSFNRSSFTKHKVIHTGVKPYKCEEKAFIWSSTLTCHKRIHTGEQPYKWE
 KFGKAFNRSSHLTTDKIHWREILQV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

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:	<ol style="list-style-type: none">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_001278664.1 , NP_001265593.1
RefSeq Size:	4000 bp
RefSeq ORF:	1761 bp
Locus ID:	9534
Cytogenetics:	19p12
Protein Families:	Transcription Factors
MW:	69.2 kDa
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]