

Product datasheet for **RC239120**

ZNF539 (ZNF254) (NM_001278662) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF539 (ZNF254) (NM_001278662) 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:

>RC239120 representing NM_001278662
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTAGAGAACTACAGAAACCTGGCCTTCTGGGTATTGCTGTCTCTAAGCCAGACCTGATCACCTGTC
 TGGAAACAAGGAAAGAGCCCTGGAATATGAAGCGACATGAGATGGTGGATGAACCCAGGTATGTGTCC
 TCATTTTCTCAAGACCTTTGGCCAGAGCAGGGCATGGAAGATCTTTTCAAAAAGCAACTACTGAGAAGA
 TATGGAAAATATGGACATGAGAATTTACAGTTAAGAAAAGGCTGTAAAAGTGTGGATGAGTAAAGGTGA
 ACAAGAAGGTTATAATGGACTTAACAGTGTTTCACTGCCCCAGAGCAAAGTATTTCAATGTGATAA
 ATATTTGAAAGTCTTCTATAAATTTTAAATTCAAACAGACCTAAGATAAGACATACTGAAAAGAAATCT
 TTCAAATGTA AAAACGTGTCAAATTTTTCATGCTTTACATAAAAACCCACACAAAAGCATTATC
 ATAGAGAGAAGTCTACAAATGTAAGAATGTGAAAAACCTTTAATTGGTCTCAACCTTACTAATCA
 TAGGAAAAATTTACTGAAGAGAAACCTTACAAATGTGAAGAATAACAAATCTCTAAGCAACTCTCA
 ACCCTTACTACACATGAAATAATTCATGCTGGAGAGAACTCTACAAATGTGAAGAATGTGGTGAAGCTT
 TTAATCGATCCTCAAATCTTACTACACATAAGATAATTCATACTGGAGAGAAACCTTACAAGTGAAGA
 ATGTGGCAAAGCATTATCTGGTCTCAACCTTACTGAGCATAAGAAAATTCATACTAGAAAAGAAACCC
 TACAAGTGTGAAGAATGTGGCAAAGCATTATATGGTCTCAACCTAAGTACATAAGAGGATGCACA
 CTGGAGAGAAACCTACAAATGTGAAGAATGTGGCAAAGCTTTTAGCCAGTCTCAACCTTACTACACA
 TAAGATAATTCATACTGGAGAGAAACGCTACAAATGCTTAGAATGTGGCAAAGCTTTAAGCAACTCTCA
 ACTCTTACTACACATAAAAATAATTCATGTTGGAGAGAACTCTACAAATGTGAAGAATGCGGCAAAGGTT
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 TAAGATAATTCATACTGGAGAGAAACCTACAAATGTGAAGAATGTGGCAAAGCTTTAAGTGGTCTCA
 ACTCTTACTAAACATAAGATAATTCATACTGAAGAGAAACCTACAAATGTGAAAATGTGGCAAAGCTT
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 ATGTGGCAAATCTTTAACCAGTCTTCACTTTTACTAAACATAAGGTAATTCATACTGGAGTAAAACCC
 TACAAATGTGAAGAATGTGGCAAAGCATTTTCTGGTCTCAACCTAAGTAAACATAAGAGAATTCATA
 CTGGAGAGCAACCTACAAATGGAAAAATTTGGCAAAGCTTTAATCGTCTCGCACCTACCACAGA
 TAAGATAACTCATTGGAGAGAAATCTTACAAGTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

>RC239120 representing NM_001278662
 Red=Cloning site Green=Tags(s)

MLENYRNLAFLGI AVSKPDLITCLEQKPEPWNMKRHEMVDPEPPGMCPHF AQDLWPEQGMEDSFQKAILRR
 YGKYGHENLQLRKGCKSVDEYKVNKEGYNGLNQCF TTAQSKVFQCDKYLKVFYKFLNSNRPKIRHTEKKS
 FKCKKRVKLF CMLSHKTQH KSIYHREKSYKCKEKGKTFNWSSTL TNHRKIYTEEKPYKCEEYKNSPKQLS
 TLTTHEIIHAGEKLYKCEECEGAFNRSSNL TTHKI IHTGEKPYKCEEKGAFIWSSTL TEHKKIHTRKKP
 YKCEEKGAFIWSSTL TRHKRMHTGEKPYKCEEKGAFS QSSTL TTHKI IHTGEKRYKCLEGKAFKQLS
 TL TTHKI IHVGEKLYKCEECEGKFNRSSNL TTHKI IHTGEKPYKCEEKGAFIWSSTL TKHKRIHTREK
 YKCEEKGAFIWSSTL TRHKRMHTGEKPYKCEEKGSFSQSSTL TTHKI IHTGEKPYKCEEKGAFNWSS
 TL TKHKI IHTEEKPYKCEKCGKAFKQS SILL TNHKRIHTGEKPYKCEEKGSFNRSSTFTKHKVIHTGVKP
 YKCEEKGAFIWSSTL TKHKRIHTGEQPYKWEKFGKAFNRSSHL TTDKITHWREILQV

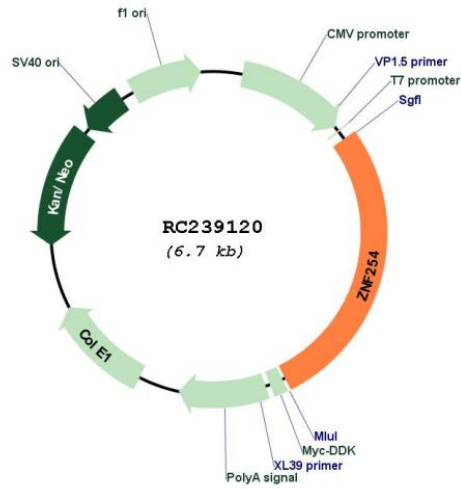
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001278662

ORF Size: 1854 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:	<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_001278662.2
RefSeq Size:	4242 bp
RefSeq ORF:	1857 bp
Locus ID:	9534
Cytogenetics:	19p12
Protein Families:	Transcription Factors
MW:	72.8 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]