OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC218440

ZC3H4 (NM_015168) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZC3H4 (NM_015168) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZC3H4
Synonyms:	C19orf7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC218440 ORF sequence, codon optimized.
Due to the complexity of NM_015168, 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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGCCGCCCCCGGGACCCCGCCTCCCCCACCCTCCGAATCTCCACCACCCCCTTCCCCACCACCCC
CCTCCACACCATCCCCCCCACCCTGTAGCCCTGATGCTAGACCCGCAACTCCACATCTGCTCCACCACAG
ACTGCCACTGCCCGACGACCGGGAGGATGGAGAGCTCGAGGAGGGTGAGCTCGAGGACGACGGGGCCGAA
GAAACTCAGGACACGAGCGGGGGACCCGAAAGGAGCAGAAAGGAGAAGGGCGAAAAGCACCACAGTGACA
GCGATGAAGAGAAATCCCACCGCAGACTGAAAAGGAAGCGCAAGAAAGAGCGCGAGAAGGAGAAACGGAG
ATCCAAAAAGCGCAGGAAATCCAAACATAAACGCCATGCATCCAGCTCAGACGATTTTAGCGACTTCAGC
GATGACTCCGATTTCAGCCCGAGCGAAAAGGGGCACCGAAAGTACAGGGAGTACTCTCCTCCATACGCTC
CTAGCCACCAGCAGTATCCTCCCAGTCATGCGACACCTCTTCCCAAGAAGGCCTATTCTAAGATGGACAG
TAAGAGCTACGGGATGTACGAGGATTACGAGAACGAACAATACGGGGAATATGAGGGAGACGAAGAGGAG
GACATGGGGAAAGAGGATTACGACGACTTTACAAAAGAGCTTAACCAGTACAGGCGGGCCAAAGAGGGGT
CCTCTCGCGGACGCGGCAGCCGCGGGCGCGGACGAGGATACAGGGGGAGGGGCTCCAGGGGGGGCTCCAG
GGGGCGCGGCATGGGCCGGGGCTCCAGAGGCCGCGGCCGGGGCTCCATGGGTGGCGACCACCCAGAAGAT
GAAGAAGACTTCTACGAGGAGGAAATGGACTACGGGGAGTCAGAGGAGCCAATGGGAGACGATGACTATG
ACGAGTACTCAAAAGAACTGAATCAGTATCGCCGATCCAAAGACTCCAGGGGGCGGGGACTGTCCCGCGG
ACGGGGACGCGGATCACGCGGAAGGGGTAAAGGCATGGGGAGGGGCAGGGGTCGAGGCGGTTCCCGCGGC
GGCATGAACAAGGGCGGCATGAATGATGACGAGGATTTCTACGACGAGGACATGGGCGATGGGGGTGGAG

View online »

GTAGCTACCGATCACGGGACCACGATAAACCACATCAACAAAGTGACAAGAAGGGTAAAGTGATCTGCAA
GTACTTCGTAGAGGGTAGATGTACGTGGGGCGACCACTGTAACTTCAGCCACGACATTGAATTGCCAAAA
AAGCGCGAGCTGTGTAAATTTTATATCACAGGCTTCTGCGCCAGAGCAGAAAACTGCCCTTACATGCATG
GAGACTTCCCCTGCAAACTGTATCACACAACGGGCAATTGCATCAACGGGGATGACTGCATGTTTAGTCA
TGATCCACTCACTGAAGAAACTAGGGAGCTGCTCGATAAGATGTTGGCAGATGACGCAGAGGCAGGGGCA
GAAGACGAGAAAGAAGTCGAGGAGCTCAAAAAGCAAGGGATTAATCCGCTGCCCAAACCGCCACCAGGTG
TGGGCCTCCTTCCTACTCCCCCACGGCCACCCGGGCCACAGGCTCCCACCTCCCCAAATGGCAGACCCAT
GCAAGGCGGTCCTCCACCGCCACCACCCCCACCTCCCCCCCCTCCGGGACCACCGCAGATGCCCATGCCC
GTTCATGAGCCACTGTCTCCACAGCAGCTCCAACAGCAAGACATGTATAATAAGAAGATTCCAAGCCTTT
TTGAAATCGTAGTAAGGCCTACTGGTCAGCTCGCCGAGAAACTGGGCGTGCGCTTCCCTGGCCCGGGAGG
GCCTCCTGGTCCAATGGGACCTGGCCCCAATATGGGGCCGCCTGGGCCAATGGGCGGGCCTATGCACCCA
GATATGCACCCTGATATGCATCCAGACATGCATCCCGATATGCACGCCGATATGCACGCAGATATGCCGA
TGGGGCCTGGTATGAACCCGGGGCCCCCAATGGGGCCAGGGGGTCCTCCCATGATGCCGTATGGGCCTGG
AGACAGCCCTCATAGTGGCATGATGCCTCCAATCCCTCCTGCCCAGAACTTCTATGAGAACTTCTACCAA
CAGCAGGAGGGTATGGAGATGGAGCCTGGCCTTCTTGGAGATGCCGAAGACTACGGTCACTATGAGGAAC
TCCCAGGGGAGCCAGGTGAACACTTGTTTCCAGAGCATCCCCTGGAGCCTGACTCCTTCTCTGAAGGTGG
CCCTCCTGGCCGCCCAAAACCCGGGGCAGGGGTTCCCGATTTCTTGCCATCCGCGCAGCGGGCCCTGTAC
CTGCGAATTCAGCAGAAACAGCAGGAGGAGGAGGAGAGGGCACGCCGGCTGGCCGAATCCAGCAAGCAGG
ACAGAGAGAACGAAGAGGGGGATACAGGGAATTGGTATTCCTCTGATGAGGACGAAGGAGGTTCCAGCGT
GACGAGCATTCTGAAAACCCTTCGGCAGCAGACTAGTTCAAGACCGCCAGCCAGCGTGGGAGAACTGAGT
TCCTCAGGGCTGGGCGACCCTCGCCTTCAGAAAGGCCACCCAACAGGCTCACGACTGGCCGATCCACGCC
TTTCCAGAGATCCTCGCCTGACACGCCACGTCGAGGCTAGTGGCGGGTCAGGCCCCGGCGATAGCGGGCC
GTCAGACCCGCGGTTGGCCCGAGCGCTGCCAACTAGCAAACCCGAAGGGAGCCTGCATTCTAGTCCAGTT
GGACCCTCTTCATCTAAGGGCTCCGGCCCTCCTCCTACTGAGGAGGAGGAGGGTGAAAGGGCTCTCCGCG
AGAAAGCCGTTAACATTCCTCTCGATCCCTTGCCCGGCCACCCTCTCAGGGATCCGCGAAGTCAGCTGCA
GCAATTCAGCCACATTAAGAAAGATGTGACACTGTCCAAACCTTCATTCGCCAGGACTGTGCTGTGGAAT
CCTGAGGACCTGATTCCCCTCCCCATCCCAAAGCAGGATGCCGTGCCCCCTGTTCCCGCCGCCCTGCAGA
GCATGCCTACCCTCGATCCCCGGCTTCACAGAGCTGCGACAGCAGGCCCCCCCAATGCCCGCCAGAGGCC
GGGTGCCTCCACAGACTCCAGTACACAAGGAGCAAATCTGCCTGACTTCGAATTGTTGTCACGCATCCTG
AAGACTGTAAATGCCACAGGGTCTTCCGCCGCTCCAGGCTCTTCAGATAAGCCATCAGACCCGCGCGTCA
GGAAAGCACCTACAGACCCACGGTTGCAGAAGCCCACCGACAGTACCGCATCCAGCAGAGCGGCCAAGCC
CGGGCCAGCGGAAGCACCATCTCCCACCGCATCTCCCTCCGGGGACGCCAGCCCTCCTGCGACCGCGCCG
TATGACCCTCGCGTACTTGCCGCTGGCGGCCTTGGACAGGGCGGTGGTGGCGGACAATCTTCCGTCCTGT
CCGGCATATCATTGTATGATCCTCGGACCCCCAATGCGGGCGGTAAAGCCACAGAGCCCGCCGCCGACAC
TGGAGCTCAGCCCAAAGGAGCCGAGGGGAATGGCAAAAGCTCCGCCAGTAAGGCTAAGGAGCCCCCCTTT
GTGCGCAAGTCCGCCCTCGAGCAGCCCGAAACCGGGAAGGCAGGGGCTGATGGAGGCACCCCCACGGACC
GGTACAATAGTTATAACCGGCCGCGCCCAAAGGCCGCCGCCGCCCCAGCCGCCACTACCGCTACCCCACC
TCCTGAGGGAGCACCACCACAGCCTGGCGTCCACAACCTTCCAGTGCCAACACTGTTCGGCACAGTGAAA
CAGACGCCTAAAACCGGGTCAGGGTCCCCCTTTGCGGGTAACAGCCCAGCCCGCGAGGGAGAGCAGGATG
CCGCCTCACTCAAGGACGTGTTCAAAGGGTTCGATCCTACTGCGTCCCCCTTCTGTCAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

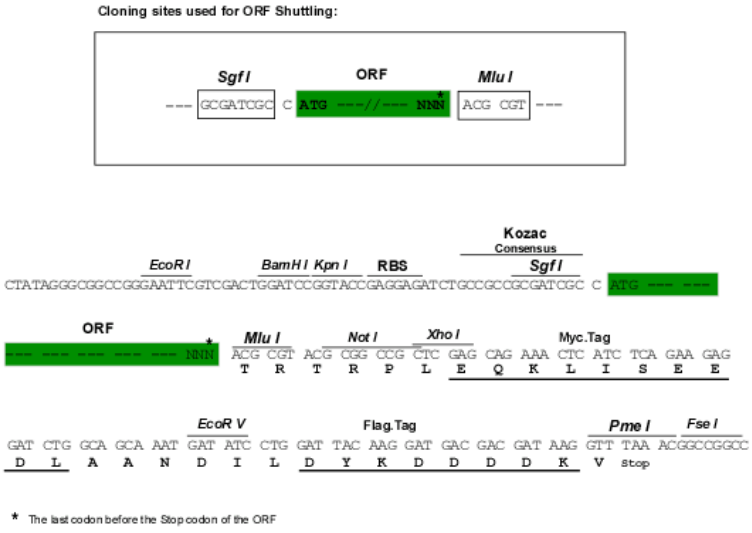
>RC218440 representing NM_015168
Red=Cloning site Green=Tags(s)

MEAAPGTPPPPPSESPPPPSPPPPSTPSPPPCSPDARPATPHLLHHRLPLPDDREDGELEEGELEDDGAE
ETQDTSGGPERSRKEKGEKHHSDSDEEKSHRRLKRKRKKEREKEKRRSKKRRKSKHKRHASSSDDFSDFS
DDSDFSPSEKGHRKYREYSPPYAPSHQQYPPSHATPLPKKAYSKMDSKSYGMYEDYENEQYGEYEGDEEE
DMGKEDYDDFTKELNQYRRAKEGSSRGRGSRGRGRGYRGRGSRGGSRGRGMGRGSRGRGRGSMGGDHPED
EEDFYEEEMDYGESEEPMGDDDYDEYSKELNQYRRSKDSRGRGLSRGRGRGSRGRGKGMGRGRGRGGSRG
GMNKGGMNDDEDFYDEDMGDGGGGSYRSRDHDKPHQQSDKKGKVICKYFVEGRCTWGDHCNFSHDIELPK
KRELCKFYITGFCARAENCPYMHGDFPCKLYHTTGNCINGDDCMFSHDPLTEETRELLDKMLADDAEAGA
EDEKEVEELKKQGINPLPKPPPGVGLLPTPPRPPGPQAPTSPNGRPMQGGPPPPPPPPPPPPGPPQMPMP
VHEPLSPQQLQQQDMYNKKIPSLFEIVVRPTGQLAEKLGVRFPGPGGPPGPMGPGPNMGPPGPMGGPMHP
DMHPDMHPDMHPDMHADMHADMPMGPGMNPGPPMGPGGPPMMPYGPGDSPHSGMMPPIPPAQNFYENFYQ
QQEGMEMEPGLLGDAEDYGHYEELPGEPGEHLFPEHPLEPDSFSEGGPPGRPKPGAGVPDFLPSAQRALY
LRIQQKQQEEEERARRLAESSKQDRENEEGDTGNWYSSDEDEGGSSVTSILKTLRQQTSSRPPASVGELS
SSGLGDPRLQKGHPTGSRLADPRLSRDPRLTRHVEASGGSGPGDSGPSDPRLARALPTSKPEGSLHSSPV
GPSSSKGSGPPPTEEEEGERALREKAVNIPLDPLPGHPLRDPRSQLQQFSHIKKDVTLSKPSFARTVLWN
PEDLIPLPIPKQDAVPPVPAALQSMPTLDPRLHRAATAGPPNARQRPGASTDSSTQGANLPDFELLSRIL
KTVNATGSSAAPGSSDKPSDPRVRKAPTDPRLQKPTDSTASSRAAKPGPAEAPSPTASPSGDASPPATAP
YDPRVLAAGGLGQGGGGGQSSVLSGISLYDPRTPNAGGKATEPAADTGAQPKGAEGNGKSSASKAKEPPF
VRKSALEQPETGKAGADGGTPTDRYNSYNRPRPKAAAAPAATTATPPPEGAPPQPGVHNLPVPTLFGTVK
QTPKTGSGSPFAGNSPAREGEQDAASLKDVFKGFDPTASPFCQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

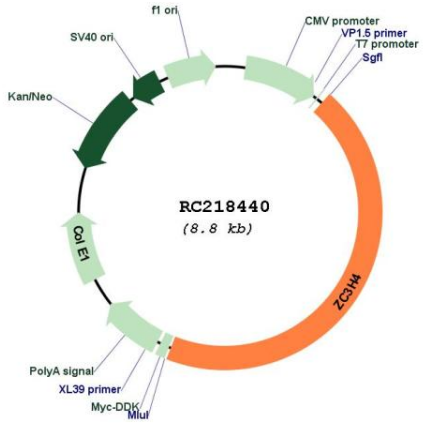


ACCN: NM_015168

ORF Size: 3909 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_015168.1, NP_055983.1
RefSeq Size:	6143 bp
RefSeq ORF:	3912 bp
Locus ID:	23211
UniProt ID:	Q9UPT8
Cytogenetics:	19q13.32
MW:	140.3 kDa
Gene Summary:	This gene encodes a member of a family of CCCH (C-x8-C-x5-C-x3-H type) zinc finger domain-containing proteins. These zinc finger domains, which coordinate zinc finger binding and are characterized by three cysteine residues and one histidine residue, are nucleic acid-binding. Other family members are known to function in post-transcriptional regulation. [provided by RefSeq, Aug 2011]

Product images:



Circular map for RC218440