

Product datasheet for **RG218440**

ZC3H4 (NM_015168) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZC3H4
Synonyms:	C19orf7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG218440 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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGGAGGCCGCCCCGGGACCCCGCCTCCCCACCCTCCGAATCTCCACCACCCCTTCCCCACCACCC
CCTCCACACCATCCCCCACCTGTAGCCCTGATGCTAGACCCGCAACTCCACATCTGCTCCACCACAG
ACTGCCACTGCCGACGACCGGGAGGATGGAGAGCTCGAGGAGGGTGAAGTCTGAGGACGACGGGGCCGAA
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GCGATGAAGAGAAATCCACCGCAGACTGAAAAGGAAGCGCAAGAAAGAGCGCGAGAAGGAGAAACGGAG
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GTTTCATGAGCCACTGTCTCCACAGCAGCTCCAACAGCAAGACATGTATAATAAGAAGATTCCAAGCCTTT
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

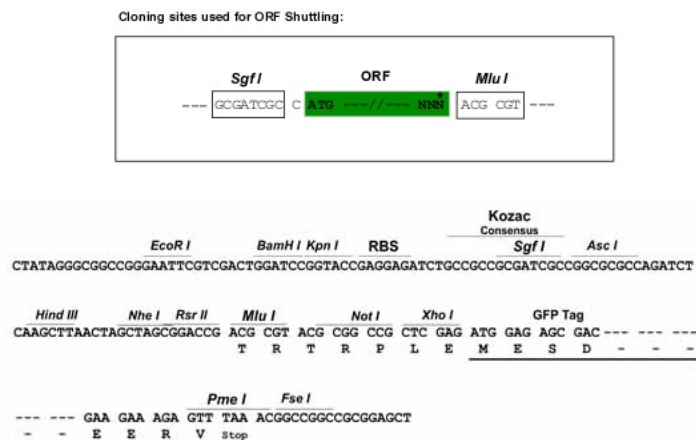
Protein Sequence: >RG218440 representing NM_015168
Red=Cloning site Green=Tags(s)

MEAPAGTPPPPPSPPPSPPPSPPPSTSPPPCSPDARPATPHLLHRLPLDDREDGELEEGEDDGA
ETQDTSGGPERSKEKGEKHSDEEKSHRRLKRKKKEREKEKRRSKKRRKSKHKRHASSDDFSDFS
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QQEGMEMEPLGLGDAEDYGHYEELPGEPGEHLFPEHLEPDSFSEGGPPGRPKPGAGVPDFLPSAQRLY
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GPSSSKSGSPPPTTEEEGERALREKAYNIPDLPLPGHPLDRPSQLQFQSHIKKDVTLSKPSFARTVLWN
PEDLIPLPKQDAVPPVPAALQSMPTLDPRLHRAATAGPPNARQPGASTDSSTQGANLPDFELLSRIL
KTVNATGSSAAPGSSDKPSDPRVRKAPTDPRLQKPTDSTASSRAAKGPAPAEAPSPTASPSGDASPPATAP
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VRKSALEQPTKGAGDGTPTDRYNSYNRPKAAAPATAATPPPEGAPPQGVHNLPVPTLFGTVK
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TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:

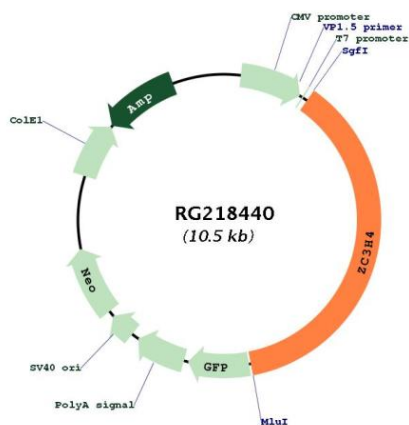


ACCN: NM_015168

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_015168.1 , NP_055983.1
RefSeq Size:	6143 bp
RefSeq ORF:	3912 bp
Locus ID:	23211
UniProt ID:	Q9UPT8
Cytogenetics:	19q13.32
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 RG218440