

Product datasheet for **RC205451**

ZNF555 (NM_152791) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	ZNF555
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC205451 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGACTCAGTGGTCTTTGAGGATGTGGCTGTGGACTTCACCCTGGAGGAGTGGGCTTTGCTGGATTCTG
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 TCAATTTAAGGCCAGTGGGTCAAGTTCTCAGCAGGATATTTATGGAGAGAAAATACCCAAGGAATCTAAA
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 TGCTTCAGAAAAGTCACACCAGGAGAGAGATCTGATCAAAGTTGTAATATGGTGTGCTTTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Protein Sequence: >RC205451 protein sequence
 Red=Cloning site Green=Tags(s)

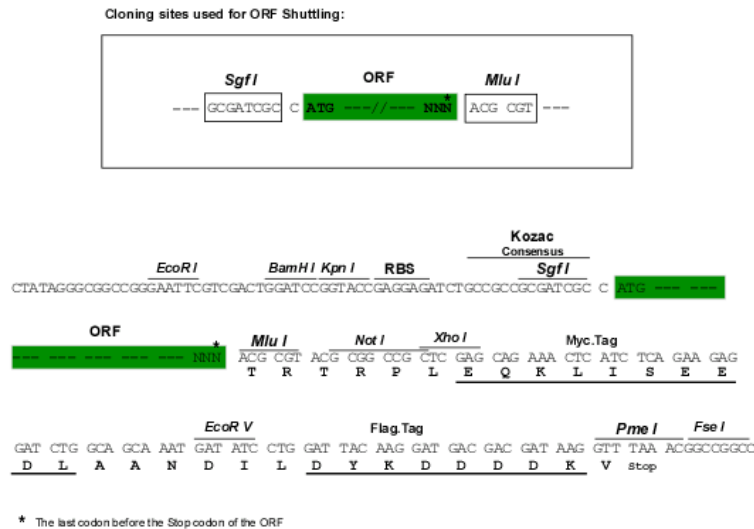
MDSVVFEDVAVDFTLEEWALLDSAQRDLYRDVMLETFQNLASVDDDETQFKASGSYSQQDIYGEKIPKESK
 IATFTRNVSWASVLGKIWDSLIEDQTTNQGRNLSRDHGLERLCESNDQCGEALSQIPHLNLYKKIPPGV
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 EKPYPCKEAEAFSYSSTFRRHMSHTGEKPHKCKEAEAFYSASFRRHMTHTGEKPYECKQCGKTFI
 YLQSFRRHERHTGEKPYECKQCGKTFIYQSFRRHERTHGGEKPYECNQCGKAFSHPSFRGHMRVHTG
 EKPYECKQCGKTFNWPISLRKHMRTHTREKPYECKQCGKAFSLSACFREHVRMHPEDKSYECKLCGKAFY
 CHISLQKHMRRHTAEKLYKCKQCGTAFSWPELLQQHVRTHTVEKPYECKEKGKVFKWPSSLPIMRLHTG
 EKPYPCKHCGKAFNCSSSLRRHVRHTTEKQYKCNVGHPPANEFMCSASEKSHQERDLIKVNMVLP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6682_f06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152791

ORF Size: 1884 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.

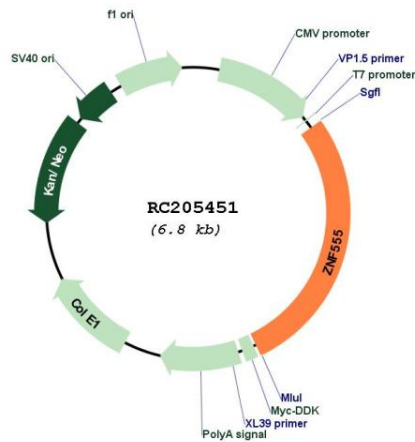
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_152791.3](#), [NP_690004.3](#)

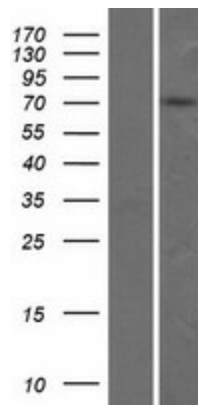
RefSeq Size: 8547 bp

RefSeq ORF:	1887 bp
Locus ID:	148254
UniProt ID:	Q8NEP9
Cytogenetics:	19p13.3
Domains:	KRAB, zf-C2H2
Protein Families:	Transcription Factors
MW:	73 kDa
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC205451



Western blot validation of overexpression lysate (Cat# [LY407281]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205451 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).