

Product datasheet for RC213221

RNF123 (NM_022064) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF123 (NM_022064) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RNF123
Synonyms:	FP1477; KPC1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC213221 representing NM_022064 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >RC213221 representing NM_022064
 Red=Cloning site Green=Tags(s)

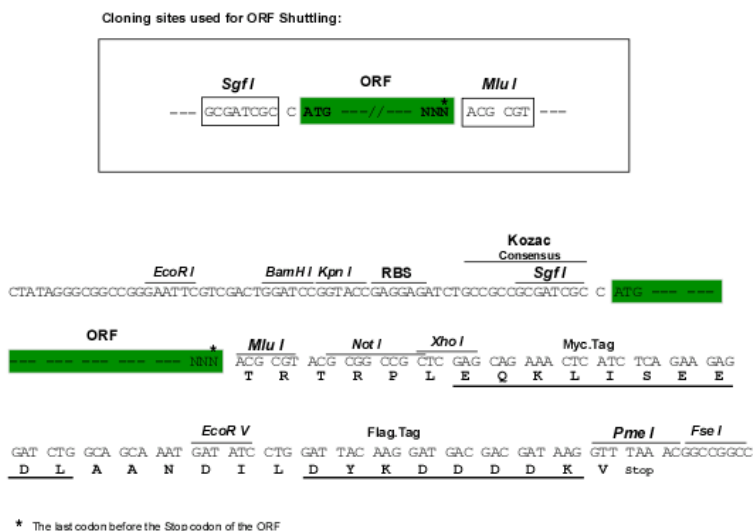
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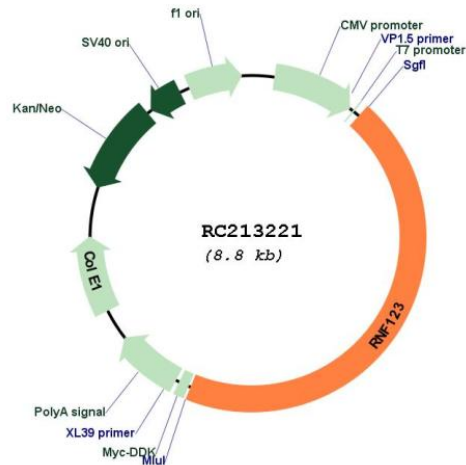
Chromatograms: https://cdn.origene.com/chromatograms/mk8103_d06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_022064

ORF Size: 3942 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

RefSeq: [NM_022064.5](#)

RefSeq Size: 4312 bp

RefSeq ORF: 3945 bp

Locus ID: 63891

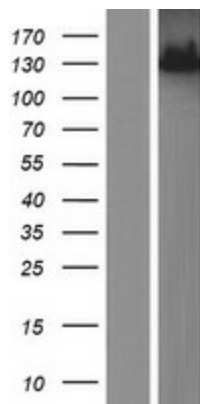
Domains: RING

Protein Families: Druggable Genome

MW: 148.5 kDa

Gene Summary:

The protein encoded by this gene contains a C-terminal RING finger domain, a motif present in a variety of functionally distinct proteins and known to be involved in protein-protein and protein-DNA interactions, and an N-terminal SPRY domain. This protein displays E3 ubiquitin ligase activity toward the cyclin-dependent kinase inhibitor 1B which is also known as p27 or KIP1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]

Product images:

Western blot validation of overexpression lysate (Cat# [LY411812]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC213221 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).