

Product datasheet for **RC204528**

RNF113A (NM_006978) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF113A (NM_006978) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RNF113A
Synonyms:	Cwc24; RNF113; TTD5; ZNF183
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC204528 representing NM_006978 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGC**

ATGGCAGAGCAGCTTTCTCCAGGAAAGCGGTGGATCAGGTGTGCACCTTCCTTTTCAAAAAGCCTGGCGGAAAGGGGCTGCTGGACGCAGAAAGCGCCCGCCTGCGACCCAGAGCCCGGAGAAAGCGGCAGCAGTAGCGACGAAGGCTGCACTGTGGTTCGACCGGAAAAGAAGCGGGTGACCCACAATCCAATGATACAGAAGACCCTGTGACAGTGGTAAACAGAAGCGGCTTACGGCGACTTGAGCAGCGAAGAGGAAGAGGAAAATGAGCCCGAGAGTCTCGGCGTGGTTTATAAATCCACCCGTTTCGGCGAAACCCGTGGGACCAGAGGATATGGGAGCGACAGCTGTCTATGAGCTGGACACAGAGAAAGAGCGCGATGCACAAGCCATCTTTGAGCGCAGCCAGAAGATCAGGAGGAGCTGAGGGGCAAGGAGGATGACAAGATCTATCGGGGAATCAACAATTATCAGAAATACATGAGCCCAAGGATACGTCTATGGGCAATGCCTCTTCCGGGATGGTGAGGAAGGGCCCATCCGAGCGCCCGACATCTACGTGCCACCGTGCCTGGATTACCAGCCCAGCATCTGTAAGGACTACAAAGAGACTGGCTTCTGCGGCTTCGGAGACAGCTGCAAATTCCTCCATGACCGTTCAGATTACAAGCATGGGTGGCAGATCGAACGTGAGCTTGATGAGGGTCGCTATGGTGTCTATGAGGATGAAAATATGAAGTGGGAAGCGATGATGAGGAATACCATTCAAGTGTTCATCTGTGCGCAGAGCTTCCAAAACCCAGTTGTCACCAAGTGCAGGCATTATTCTGCGAGAGCTGTGCACTGCAGCATTTCCGCACCACCCCGCTGCTATGTCTGTGACCAGCAGACCAATGGCGTCTTCAATCCAGCGAAAAGAAATTGATTGCTAAACTAGAGAAGCATCGAGCTACAGGAGAGGGTGGTGCTTCCGACTTGCCAGAAGACCCCGATGAGGATGCAATTCCATTACT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC204528 representing NM_006978
Red=Cloning site Green=Tags(s)

MAEQLSPGKAVDQVCTFLFKKPRKGAAGRRKRPACDPEPGESGSSSDEGCTVVRPEKKRVTHNPMIQKT
 RDSGKQKAAAYGDLSSEEEEENEPESLGVVYKSTRSAKPVGPEDMGATAVYELDTEKERDAQAIFERSQKI
 QEELRGKEDDKIYRGINNYQKYMPKDTSMGNASSGMVRKGP IRAPEHLRATVRWDYQPDICKDYKETGF
 CGFGDSCKFLHDRSDYKHGWQIERELDEGRYGVYEDENYEVGSDDEEIPFKCFICRQSFQNPVVTCKRHY
 FCESCALQHFRTTPRCYVCDQQTNGVFNPAKELIAKLEKHRATGEGGASDLPEDPDEDAIPIT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg2876_a07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006978

ORF Size: 1029 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_006978.3](#)

RefSeq Size: 1349 bp

RefSeq ORF: 1032 bp

Locus ID: 7737

UniProt ID: [O15541](#)

Cytogenetics: Xq24

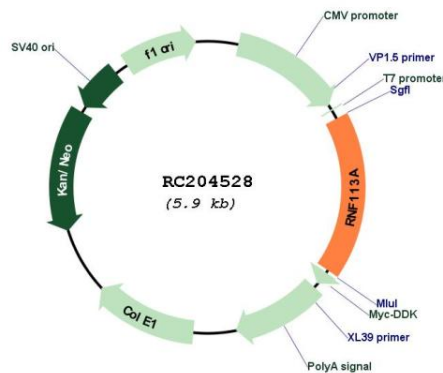
Domains: zf-CCCH, RING

Protein Families: Druggable Genome, Protease

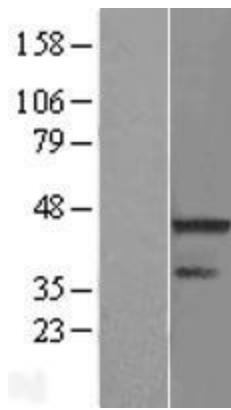
MW: 38.6 kDa

Gene Summary: This intronless gene encodes a protein which contains a C3H1-type zinc finger domain and a C3HC4 Ring-type (Really Interesting New Gene-type) zinc finger domain. The Ring-type zinc finger domain is identified in various tumor suppressors, DNA repair genes and cytokine receptor-associated molecules, and is probably involved in mediating protein-protein interactions. [provided by RefSeq, May 2010]

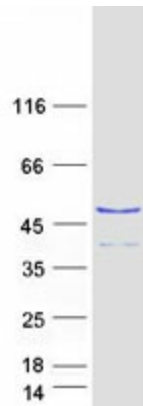
Product images:



Circular map for RC204528



Western blot validation of overexpression lysate (Cat# [LY416295]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204528 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified RNF113A protein (Cat# [TP304528]). The protein was produced from HEK293T cells transfected with RNF113A cDNA clone (Cat# RC204528) using MegaTran 2.0 (Cat# [TT210002]).