

Product datasheet for **RG204528**

RNF113A (NM_006978) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF113A (NM_006978) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RNF113A
Synonyms:	Cwc24; RNF113; TTD5; ZNF183
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204528 representing NM_006978 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGAGCAGCTTTCTCCAGGAAAGCGGTGGATCAGGTGTGCACCTTCCTTTTCAAAAAGCCTGGGC
GGAAAGGGGCTGCTGGACGCAGAAAGCGCCCGCCTGCGACCCAGAGCCCGGAGAAAGCGGCAGCAGTAG
CGACGAAGGCTGCACTGTGGTTCGACCGGAAAAGAAGCGGGTGACCCACAATCCAATGATACAGAAGACC
CGTGACAGTGGTAAACAGAAGCGGCTTACGGCGACTTGAGCAGGAAGAGGAAGAGGAAAATGAGCCCG
AGAGTCTCGGCGTGGTTTATAAATCCACCCGTTTCGGCGAAACCCGTGGGACCAGAGGATATGGGAGCGAC
AGCTGTCTATGAGCTGGACACAGAGAAAGAGCGCGATGCACAAGCCATCTTTGAGCGCAGCCAGAAGATC
CAGGAGGAGCTGAGGGGCAAGGAGGATGACAAGATCTATCGGGGAATCAACAATTATCAGAAATACATGA
AGCCCAAGGATACGTCTATGGGCAATGCCTCTTCCGGGATGGTGAGGAAGGGCCCATCCGAGCGCCCGA
GCATCTACGTGCCACCGTGCCTGGGATTACCAGCCCGACATCTGTAAGGACTACAAAGAGACTGGCTTC
TGCGGCTTCGGAGACAGCTGCAAATTCCTCCATGACCGTTCAGATTACAAGCATGGGTGGCAGATCGAAC
GTGAGCTTGATGAGGGTCGCTATGGTGTCTATGAGGATGAAAATATGAAGTGGGAAGCGATGATGAGGA
AATACCATTCAAGTGTTCATCTGTGCGCAGAGCTTCCAAAACCCAGTTGTCACCAAGTGCAGGCATTAT
TTCTGCGAGAGCTGTGCACTGCAGCATTTCGGCACCCCGCTGCTATGTCTGTGACCAGCAGACCA
ATGGCGTCTTCAATCCAGCGAAAAGAATTGATTGCTAAACTAGAGAAGCATCGAGCTACAGGAGAGGGTGG
TGCTTCCGACTTGCCAGAAGACCCCGATGAGGATGCAATTCCATTACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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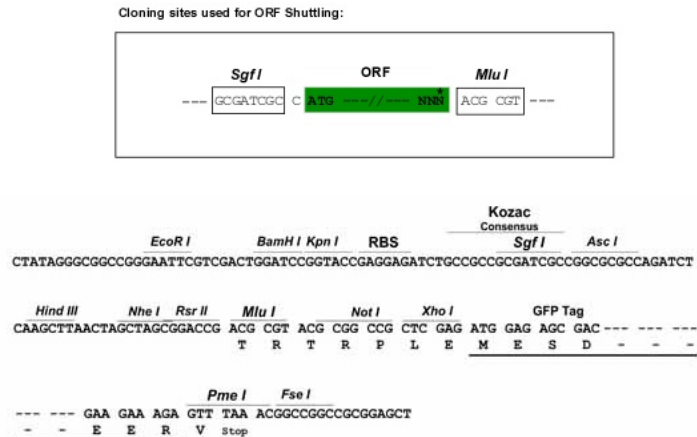
Protein Sequence: >RG204528 representing NM_006978
Red=Cloning site Green=Tags(s)

MAEQLSPGKAVDQVCTFLFKKPRKGAAGRKRKPACDPEPGESGSSSDEGCTVVRPEKKRVTHNPMIQKT
 RDSGKQKAAAYGDLSSSEEEENEPESLGVVYKSTRSAKVPGEDMGATAVYELDTEKERDAQAIFERSQKI
 QEELRGKEDDKIYRGINNYQKYMPKDTSMGNASSGMVRKGP IRAPEHLRATVRWDYQPDICKDYKETGF
 CGFGDSCFKLHRSYDKHWQIERELDEGRYGVYEDENYEVGSDDEEIPFKCFICRQSFQNPVVTKCRHY
 FCESCALQHFRTTPRCYVCDQQTNGVFNPAKELIAKLEKHRATGEGGASDLPEDPDEDAIPIT

TRTRPLE - GFP Tag - V

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](#)

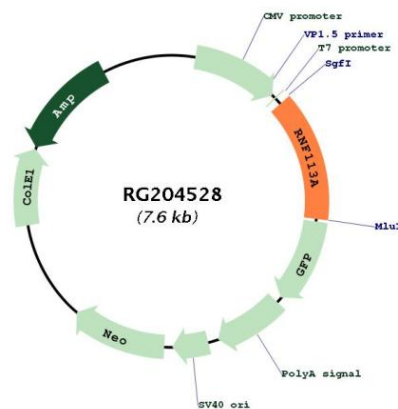
Cytogenetics: Xq24

Domains: zf-CCCH, RING

Protein Families: Druggable Genome, Protease

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 RG204528