

Product datasheet for **RC205407**

RNF113B (NM_178861) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF113B (NM_178861) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RNF113B
Synonyms:	bA10G5.1; RNF161; ZNF183L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC205407 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCGCCACCTTCTCCAGGAAGGACGGCCGACCAAGCAGACCAGGTATGCACCTTCTCTTCAAAA
AGCCTGGACGGAAAGGGGCTGCAGGCCTCAGAAAGCGCCCGCCTGCGACCCCGAGCACGGAGAGAGCAG
CAGCAGCGGGGACGAGGGCGACACAGTGGCTCAGCCCCGCGGGTGGCACCGAGGCCCGGGGCTCCAC
AGCTGGCAGAAGGCGGCTCACGGCGACAGGAGGGGCGAGGAGCGCGCCTGAGAGCCTCGACGTGGTGT
ACAGGTCCACCCGCTCGGCGAAGCCTGTGGGGCCGGAGGACATGGGGCCACCGCTGACTTCGAGCAGGA
CACCGAGAAGGAGCACCATACGCCGACCATCCTCAAGTGCAGCCAGCGGGTCCAGGAGGCACTGCGGGT
CGGGAGCACGACCACATCTACCGGGGAATCCACAGCTACCTGAGGTACCTGAAGCCAAGGACACGTCCA
TGGGCAACTCCTCCTCGGGGATGGCGAGGAAGGGCCCATACGTGCGCCAGGGCATCTGCGCGCCACTGT
GCGCTGGGATTACCAGCCTGACATCTGCAAGGACTACAAGGAGACTGGCTTCTGTGGCTTCGGGGACAGC
TGCAAATTCCTCCAGCAGCGTTCGATTACAAGCTCGGGTGGGAGATTGAACGGGAGCTTGAAGAGGGTC
GCTACTGTATCTGCGAGGACGAAAACCATGAAGTGGGAAGCGAGGAAGAGGAAATACCATTACAGTGT
CATATGTCGCCAGGCCTTCAAAAACCCAGTCGTCACCAAGTGCAGGCATTATTTCTGCGAGAGCTGCGCG
CTGGAGCACTTCGGGGCCACCCGCGCTGCTACATCTGTGACCAGCAACCGCGGCATTTAACCCCG
CCAAAGAACTGATGGCGAAACTGCAAAAGCTTCAGGCTGCAGAAGGAAAAAGAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC205407 protein sequence
Red=Cloning site Green=Tags(s)

MAAPPSPGRTADQADQVCTFLFKKPKGRKGAAGLRKRPACDPEHGESSSSGDEGDTVAQPPRVAPRPRGLH
 SWQKAAHGDRRGEEAAPESLDVVYRSTRSAKPVGPEMGATADFEQDTEKEHHTPTILKCSQRVQEALRG
 REHDHIYRGIHSLRYLKPDKTSMGNSSSGMARKGPIRAPGHLRATVRWDYQPDICKDYKETGFCGFGDS
 CKFLHDRSDYKLGWEIERELEEGRYCICEDENHEVGSSEEEIIPFRFCICRQAFQNPVVTKCRHYFCESCA
 LEHFRATPRCYICDQPTGGIFNPAKELMAKLQKLQAAEGKKR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6315_a05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_178861

ORF Size: 966 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_178861.3](#)

RefSeq Size: 1381 bp

RefSeq ORF: 969 bp

Locus ID: 140432

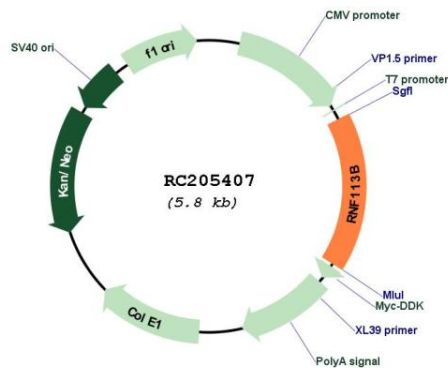
UniProt ID: [Q8IZP6](#)

Cytogenetics: 13q32.2

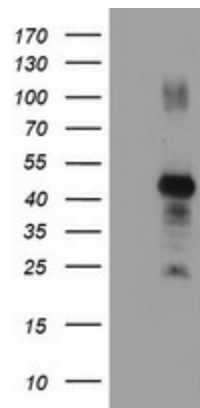
Protein Families: Druggable Genome

MW: 36.3 kDa

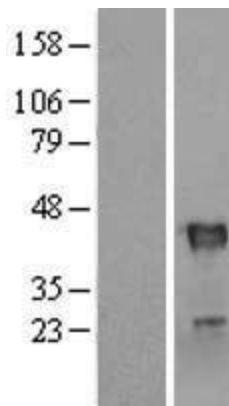
Product images:



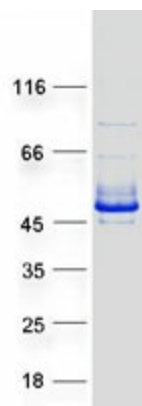
Circular map for RC205407



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY RNF113B (Cat# RC205407, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-RNF113B (Cat# [TA504117]). Positive lysates [LY405825] (100ug) and [LC405825] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY405825]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205407 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified RNF113B protein (Cat# [TP305407]). The protein was produced from HEK293T cells transfected with RNF113B cDNA clone (Cat# RC205407) using MegaTran 2.0 (Cat# [TT210002]).