

Product datasheet for **RC210868**

RNF122 (NM_024787) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RNF122 (NM_024787) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: RNF122
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC210868 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCACCCATTCCAGTGGTGAACGGGTGTTTCTGTGGCCTGGGACTGGTTAGCACCAACAAGTCCTGCT
CGATGCCACCCATCAGTTCCAGGACCTCCGCTCAACATCTATATGGTCATCTTCGGCAGGCATCTT
TGTCTTCATGCTCAGCCTTATCTTCTGTGCTATTTTATCAGCAAAGTCCGGAACAGGCACAGAGTGAG
CGATACGGATATAAGGAGGTGGTGTCTAAAGGTGATGCCAAGAAGTTACAATTATATGGCAGACCTGCC
CAGTCTGTCTGGAAGACTCAAGGGGAAGGATGAGTTAGGCTGCTCCCGTGCCAACACGCCTTTCACCG
CAAGTGTCTGGTAAATGGCTGGAAGTTCGCTGTGTCTGCCCATGTGTAACAAGCCATTGCTAGTCCC
TCAGAGGCCACGCAGAACATTGGGATTCTATTGGATGAGCTGGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC210868 protein sequence
Red=Cloning site Green=Tags(s)
MHPFQWNCGFCGLGLVSTNKSCSMPPISFQDLPLNIYMVIFGTGIFVFMLSLIFCCYFISKLRNQAQSE
RYGYKEVVLKGDAAKLQLYQTCVCLDFKGDDELGVLPQHAHFRKCLVKWLEVRCVCPMCNKP IASP
SEATQNIIGILLDELV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6383_a03.zip

Restriction Sites: SgfI-MluI



[View online >](#)

Cloning Scheme:


ACCN: NM_024787

ORF Size: 465 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_024787.3](#), [NP_079063.2](#)

RefSeq Size: 1872 bp

RefSeq ORF: 468 bp

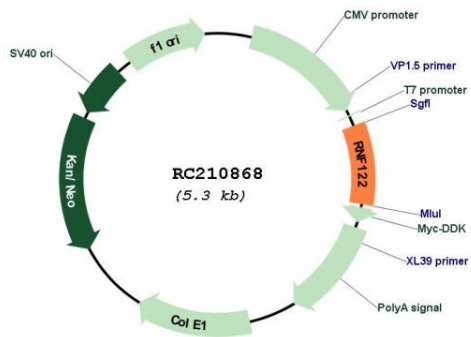
Locus ID: 79845

UniProt ID: [Q9H9V4](#)

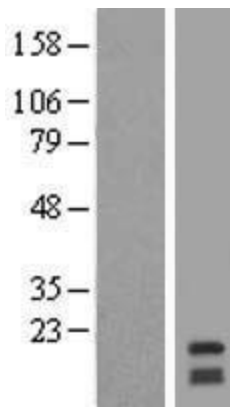
Cytogenetics: 8p12
Protein Families: Druggable Genome, Transmembrane
MW: 17.5 kDa

Gene Summary: The encoded protein contains a RING finger, a motif present in a variety of functionally distinct proteins and known to be involved in protein-protein and protein-DNA interactions. The encoded protein is localized to the endoplasmic reticulum and golgi apparatus, and may be associated with cell viability. [provided by RefSeq, Jul 2013]

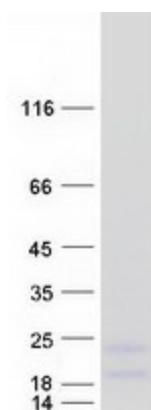
Product images:



Circular map for RC210868



Western blot validation of overexpression lysate (Cat# [LY411049]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210868 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified RNF122 protein (Cat# [TP310868]). The protein was produced from HEK293T cells transfected with RNF122 cDNA clone (Cat# RC210868) using MegaTran 2.0 (Cat# [TT210002]).