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Product datasheet for RC208220

RNF11 (NM_014372) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF11 (NM_014372) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RNF11
Synonyms:	CGI-123; SID1669
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC208220 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGAACTGCCTCAAATCCCCCACCTCGGATGACATCTCCCTGCTTCACGAGTCTCAGTCCGACCGGG
CTAGCTTTGGCGAGGGGACGGAGCCGGATCAGGAGCCGCCGCCGCCATATCAGGAACAAGTTCCAGTTCC
AGTCTACCACCCAACACCTAGCCAGACTCGGCTAGCAACTCAGCTGACTGAAGAGGAACAAATTAGGATA
GCTCAAAGAATAGGTCTTATACAACATCTGCCTAAAGGAGTTTATGACCCTGGAAGAGATGGATCAGAAA
AAAAGATCCGGGAGTGTGTGATCTGTATGATGGACTTTGTTTATGGGGACCCAATTCGATTTCTGCCGTG
CATGCACATCTATCACCTGGACTGTATAGATGACTGGTTGATGAGATCCTTCACGTGCCCCTCCTGCATG
GAGCCAGTTGATGCAGCACTGCTTTCATCCTATGAGACTAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC208220 protein sequence
Red=Cloning site Green=Tags(s)

MGNCLKSPTSDDISLLHESQSDRASFGEGTEPDQEPPPPYQEQVPVPVYHPTPSQTRLATQLTEEEQIRI
AQRIGLIQHLPKGVYDPGRDGSEKKIRECVICMMDFVYGDPIRFLPCMHIYHLDCIDDWLMRSFTCPSCM
EPVDAALLSSYETN

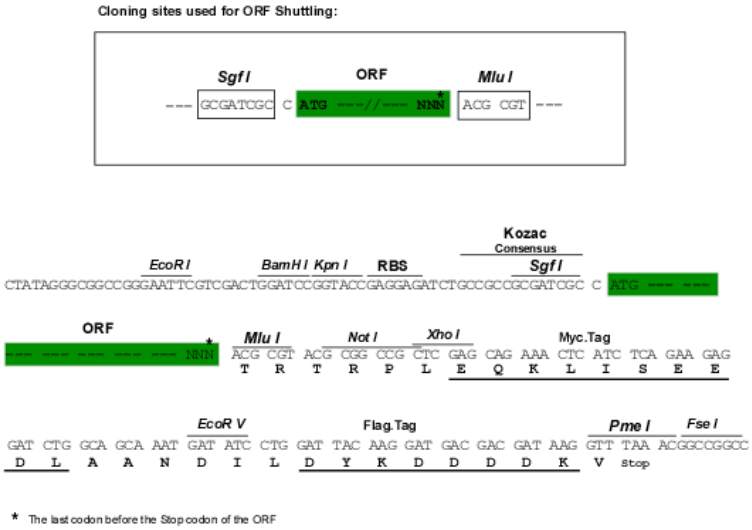
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6023_f03.zip

View online »

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014372

ORF Size: 462 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

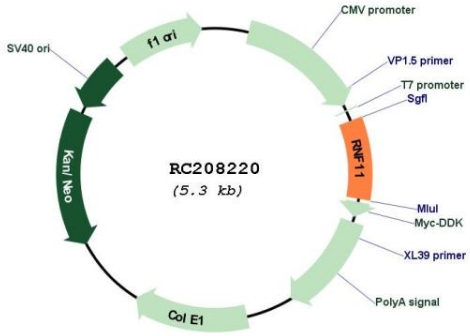
RefSeq: NM_014372.5

RefSeq Size: 3082 bp

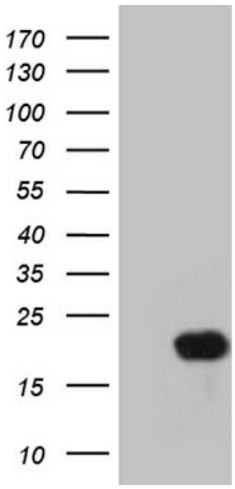
RefSeq ORF: 465 bp

Locus ID:	26994
UniProt ID:	Q9Y3C5
Cytogenetics:	1p32.3
Domains:	RING
Protein Families:	Druggable Genome
MW:	17.4 kDa
Gene Summary:	The protein encoded by this gene contains a RING-H2 finger motif, which is known to be important for protein-protein interactions. The expression of this gene has been shown to be induced by mutant RET proteins (MEN2A/MEN2B). The germline mutations in RET gene are known to be responsible for the development of multiple endocrine neoplasia (MEN). [provided by RefSeq, Jul 2008]

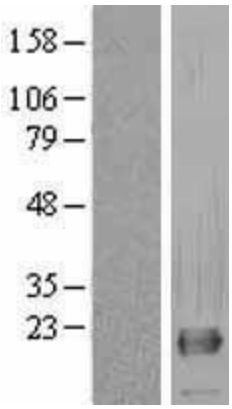
Product images:



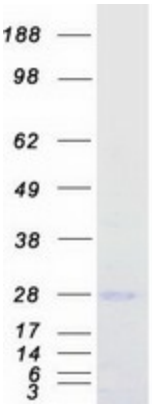
Circular map for RC208220



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY RNF11 (Cat# RC208220, 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-RNF11(Cat# [TA811049]). Positive lysates [LY402321] (100ug) and [LC402321] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY402321]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208220 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified RNF11 protein (Cat# [TP308220]). The protein was produced from HEK293T cells transfected with RNF11 cDNA clone (Cat# RC208220) using MegaTran 2.0 (Cat# [TT210002]).