

Product datasheet for **MR201127**

Rnf11 (NM_013876) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rnf11 (NM_013876) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rnf11
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201127 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGGGAAGTGCCTCAAATCCCCGACTTCGGATGACATCTCCCTGCTTCACGAGTCTCAGTCCGACCGGG
CTAGCTTTGGCGAGGGGACGGAGCCAGATCAGGAGCCGCCGCCCATATCAGGAACAAGTTCTGTTCC
CATCTATCATCCGACACCTAGCCAGACTCGGCTAGCAACTCAGCTGACTGAAGAGGAACAAATTAGAATA
GCTCAAAGAATAGGCCTTATACAGCATCTGCCTAAAGGAGTTTATGACCCTGGAAGAGATGGATCAGAAA
AAAAGATCCGAGAGTGTGTGATCTGTATGATGGACTTTGTTTATGGGGACCAATTCGATTCTGCCGTG
CATGCACATCTATCACCTGGACTGTATAGATGACTGGTTGATGAGATCCTTCACGTGCCCTCCTGCATG
GAGCCAGTGGATGCAGCACTGCTTCATCCTATGAGACTAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201127 protein sequence
Red=Cloning site Green=Tags(s)

MGNCLKSPTSDDISLLHESQSDRASFGEGTEPDQEPPIPPYQEQVPVIYHPTPSQTRLATQLTEEEQIRI
AQRIGLIQHLPGVYDPGRDGSEKKIRECVICMMDFVYGDPIRFLPCMHIYHLDCIDDWLMRSFTCPSCM
EPVDAALLSSYETN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_013876

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_013876.3](#), [NP_038904.1](#)

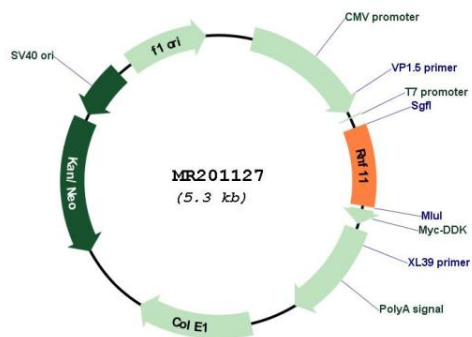
RefSeq Size: 2132 bp

RefSeq ORF: 465 bp

Locus ID: 29864
UniProt ID: [Q9QYK7](#)
Cytogenetics: 4 C7
MW: 17.5 kDa

Gene Summary: Essential component of a ubiquitin-editing protein complex, comprising also TNFAIP3, ITCH and TAX1BP1, that ensures the transient nature of inflammatory signaling pathways. Promotes the association of TNFAIP3 to RIPK1 after TNF stimulation. TNFAIP3 deubiquitinates 'Lys-63' polyubiquitin chains on RIPK1 and catalyzes the formation of 'Lys-48'-polyubiquitin chains. This leads to RIPK1 proteasomal degradation and consequently termination of the TNF- or LPS-mediated activation of NF-kappa-B. Recruits STAMBP to the E3 ubiquitin-ligase SMURF2 for ubiquitination, leading to its degradation by the 26S proteasome. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201127