

Product datasheet for **MG201127**

Rnf11 (NM_013876) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rnf11 (NM_013876) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Rnf11
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201127 representing NM_013876
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGAAGTGCCTCAAATCCCGACTTCGGATGACATCTCCCTGCTTCACGAGTCTCAGTCCGACCGGG
 CTAGCTTTGGCGAGGGGACGGAGCCAGATCAGGAGCCGCCGCCCATATCAGGAACAAGTTCTGTTCC
 CATCTATCATCCGACACCTAGCCAGACTCGGCTAGCAACTCAGCTGACTGAAGAGGAACAAATTAGAATA
 GCTCAAAGAATAGGCCTTATACAGCATCTGCCTAAAGGAGTTTATGACCCTGGAAGAGATGGATCAGAAA
 AAAAGATCCGAGAGTGTGTGATCTGTATGATGGACTTTGTTTATGGGGACCAATTCGATTCTGCCGTG
 CATGCACATCTATCACCTGGACTGTATAGATGACTGGTTGATGAGATCCTTCACGTGCCCTCCTGCATG
 GAGCCAGTGGATGCAGCACTGCTTCATCCTATGAGACTAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201127 representing NM_013876
 Red=Cloning site Green=Tags(s)

MGNCCLKSPTSDDISLLHESQSDRASFGEGTEPDQEPPIPPYQEQVPVPIYHPTPSQTRLATQLTEEEQIRI
 AQRIGLIQHLPGVYDPGRDGSEKKIRECVICMMDFVYGDPIRFLPCMHIYHLDCIDDWLMRSFTCPSCM
 EPVDAALLSSYETN

TRTRPLE - GFP Tag - V

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.

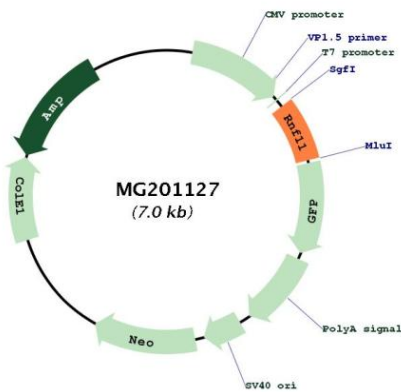
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_013876.3](#), [NP_038904.1](#)

RefSeq Size: 2132 bp

RefSeq ORF:	465 bp
Locus ID:	29864
UniProt ID:	<u>Q9QYK7</u>
Cytogenetics:	4 C7
Gene Summary:	<p>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.</p> <p>[UniProtKB/Swiss-Prot Function]</p>

Product images:



Circular map for MG201127