

Product datasheet for **RN202537**

Rnf166 (NM_001002279) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rnf166 (NM_001002279) Rat Untagged Clone
Tag: Tag Free
Symbol: Rnf166
Synonyms: MGC2647
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN202537 representing NM_001002279
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGATGTTCCGCAGCTTGGTGGCCTCCGCGCAGCAACGGCAGCCACCGGCTGGGCCCGGGCGGTG
ACAGCGGCTGGAGGCTCAGTTCAGCTGTCCTATCTGCCTGGAGGTGTACCATCGCCAGTGCCATCGG
CAGCTGCGGCCACACGTTCTGCGGGGAGTGCCTCCAGCCATGTCTGCAGGTGCCGTCCTCTGTGCCG
CTCTGCCGTCTGCCCTTCGACCCCAAGAAAGTGGACAAAGCCACCCATGTAGAGAAGCAGCTCTCATCTT
ACAAAGCACCCCTGTGGGGTTGCAACAAGAAGGTGACACTGGCAAAGATGAGAGCCACATCTCCTCCTG
CCTGAAGGTCCAGGAGCAGATGGCTAACTGCCCAAGTTCGTCCTGTGGTGCCACATCCCAGCCCATC
CCCAGCAATATCCCAACCGGTCTACCTTCGCTTGTCCCTACTGTGGAGCCCGCAATCTGGATCAGCAGG
AGCTGGTGAAGCACTGCGTGGAAAGTACCGTAGCGACCCCAACCGTGTGGTATGCCCATCTGCTCAGC
AATGCCCTGGGGGACCCAGCTACAAAAGCGCCAACCTCCTGCAGCACCTGCTGCACCGGCACAAGTTC
TCCTACGACACCTTTGTGGACTACAGCATCGACGAAGAAGTGCCTTCCAGGCCGCCCTGGCTCTGTCCC
TCTCTGAGAACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001002279
Insert Size: 714 bp



[View online »](#)

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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:	<u>NM_001002279.1</u> , <u>NP_001002279.1</u>
RefSeq Size:	1755 bp
RefSeq ORF:	714 bp
Locus ID:	365022
UniProt ID:	<u>Q6J1I7</u>
Cytogenetics:	19q12
Gene Summary:	E3 ubiquitin-protein ligase that promotes the ubiquitination of different substrates. In turn, participates in different biological processes including interferon production or autophagy. Plays a role in the activation of RNA virus-induced interferon-beta production by promoting the ubiquitination of TRAF3 and TRAF6. Plays also a role in the early recruitment of autophagy adapters to bacteria. Mediates 'Lys-29' and 'Lys-33'-linked ubiquitination of SQSTM1 leading to xenophagic targeting of bacteria and inhibition of their replication.[UniProtKB/Swiss-Prot Function]