

## Product datasheet for **SC208862**

### RNF146 (NM\_030963) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** RNF146 (NM\_030963) Human 3' UTR Clone  
**Symbol:** RNF146  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pMirTarget (PS100062)  
**ACCN:** NM\_030963  
**Insert Size:** 899 bp  
**Insert Sequence:** >SC208862 3'UTR clone of NM\_030963  
 The sequence shown below is from the reference sequence of NM\_030963. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GATGGACAGTGCACAGTAACTGAAGTTAAATAAAAAATGTCTTCAGCTCCATGCTCAAGTTGAAAGGG
TTACCTGTAAATTTCTGCCACATAACATTATACTCATCCCTAGTAGTCATTTTGGGAGTTGGGGTGG
GAAGGGTATGGGAAGGATAGACTCATAATTAATGTCTAACATGTCTCTGTTGAGAAATTTATTTAA
TGTAAGGAACCTGGGTGTTAATAGTTGAGAGCTGTTTAGTAATAACCCAGTTTTCTTGAGGCTGTTTA
CTTTATACTTTTTAAAACTTCTGTAGTTCTTTTGGCCAGTGTGTTTGTATTATCTGTGCATTAATGGT
CCTCATCTGACTCCTGCATTGTGTCTTATTTTTCTGCATGGATTGGCATAAGACCATTACTAAAATTTG
GCACCTGTGAGATGTTTGATATTATGAACAGGAAACATAATTTAATGTATGAATAGATGTGAATTTGGG
ATTTCAAATAGATGAATAACAACATTTTTATAGTAAAGTTATTGAAATGGAAATGAAAACAGCCAGTA
ACTTATGTTTCAGAAATGTTTGAACACACTTCATGGTGTCCCATAGGCTTTGCTGTCTAGTCTTATAG
TTTGAGGTTTTTTGGTCTGCATTTTTCTTTTGGATTACAAAATTTATAATTTAATAAATACTAGAGTT
TATCAAAAACAGTTTGTCTCTTGTGTTGAGGGTGGAAAGGGTGTGGAAACATTTTGACATTTGTGACCAA
AGGTCACTTAAAAAGTGGTGGTTTTAATGGTTGTTTTACAGTTAATCACCTGCTCAGAAAAGTTTGAT
TTTTTTCTTAGAGATTATTTAAACAGAATCTATAGGCAGTGTGTATATAATAACATGTATGGAAATAA
AA
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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**Restriction Sites:** Sgfl-MluI



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
<b>Components:</b>	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
<b>RefSeq:</b>	<a href="#">NM_030963.4</a>
<b>Summary:</b>	E3 ubiquitin-protein ligase that specifically binds poly-ADP-ribosylated (PARsylated) proteins and mediates their ubiquitination and subsequent degradation. May regulate many important biological processes, such as cell survival and DNA damage response. Acts as an activator of the Wnt signaling pathway by mediating the ubiquitination of PARsylated AXIN1 and AXIN2, 2 key components of the beta-catenin destruction complex. Acts in cooperation with tankyrase proteins (TNKS and TNKS2), which mediate PARsylation of target proteins AXIN1, AXIN2, BLZF1, CASC3, TNKS and TNKS2. Recognizes and binds tankyrase-dependent PARsylated proteins via its WWE domain and mediates their ubiquitination, leading to their degradation. Different ubiquitin linkage types have been observed: TNKS2 undergoes ubiquitination at 'Lys-48' and 'Lys-63', while AXIN1 is only ubiquitinated at 'Lys-48'. May regulate TNKS and TNKS2 subcellular location, preventing aggregation at a centrosomal location. Neuroprotective protein. Protects the brain against N-methyl-D-aspartate (NMDA) receptor-mediated glutamate excitotoxicity and ischemia, by interfering with PAR-induced cell death, called parthanatos. Prevents nuclear translocation of AIFM1 in a PAR-binding dependent manner. Does not affect PARP1 activation (By similarity). Protects against cell death induced by DNA damaging agents, such as N-methyl-N-nitro-N-nitrosoguanidine (MNNG) and rescues cells from G1 arrest. Promotes cell survival after gamma-irradiation. Facilitates DNA repair.[UniProtKB/Swiss-Prot Function]
<b>Locus ID:</b>	81847
<b>MW:</b>	35.2