

## Product datasheet for **MC226842**

### Rnf144a (NM\_001081977) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rnf144a (NM\_001081977) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Rnf144a  
**Synonyms:** Rnf144; Ubce7ip4; UIP4  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226842 representing NM\_001081977  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGACCACAGCAAGGTACCGGCCACCTGGGACCTGGCCCTCGACCCACTGGTGTCTGCAAGCTGTGCC  
 TCGGGGAATACCCAGCGGAGCAGATGACAACCATCGCCAATGCCAGTGCATCTTCTGTACCTGTGCC  
 GAAACAGTATGTTGAGCTCTTGATCAAAGAAGGGCTAGAACTGCAATTAGCTGCCCGGATGCTGCCTGT  
 CCCAAACAGGGCCACCTTCAGGAGAATGAGATTGAGTGTATGGTTGCCCGAGAAAATATGCAGAGATATA  
 AAAAGCTACAATTTGAAAGAGAGGTGCTCTTTGACCCCTTGTCGGACGTGGTGCCAGCATCCACCTGCCA  
 GGCCGTGTGCCAACTCCAGGACATAGGGCTGCAGACCCCGCAGCTGGTACAGTGCAAAGCCTGTGACATG  
 GAATTCGTCTGCTTGCAAAGCCCGCTGGCACCTGGCCAAGGCTGCCAGAGACCATGCCCATCACAT  
 TCCTTCCCGGAGAGACCAGCTCTGCTTTCAAGATGGAAGAGGGCGACGCACCCATCAAACGCTGCCCAA  
 GTGCAGGGTGTACATCGAGCGGGATGAGGGCTGTGCACAGATGATGTGTAAGAACTGCAAGCATGCCTTC  
 TGCTGGTACTGCCTGGAGTCTCTGGATGATGATTTCTTCTGATACATTATGACAAGGGGCCCTGCCGA  
 ACAAGCTGGGCCACTCCCGAGCATCAGTGATCTGGCATCGGACACAGGTGGTGGGAATTTTGTCTGGATT  
 TGGGCTCCTGCTTAGTGGCCTCCCTTTCTGCTCCTGGCCACACCCCTTCGTGCTTTGCTGCAAATGC  
 AAGTGCAGTAAAGGTGACGACGCCACTGCCACCTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001081977  
**Insert Size:** 879 bp



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|-------------------------------|---|
| <b>OTI Disclaimer:</b>        | 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).  |
| <b>OTI Annotation:</b>        | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol> |
| <b>RefSeq:</b>                | <u><a href="#">NM_001081977.2</a></u> , <u><a href="#">NP_001075446.1</a></u>   |
| <b>RefSeq Size:</b>           | 5189 bp   |
| <b>RefSeq ORF:</b>            | 879 bp  |
| <b>Locus ID:</b>              | 108089  |
| <b>UniProt ID:</b>            | <u><a href="#">Q925F3</a></u>   |
| <b>Cytogenetics:</b>          | 12 A2   |
| <b>Gene Summary:</b>          | <p>E3 ubiquitin-protein ligase which accepts ubiquitin from E2 ubiquitin-conjugating enzymes UBE2L3 and UBE2L6 in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Mediates the ubiquitination and degradation of the DNA damage kinase PRKDC.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.</p>   |