

Product datasheet for **SC321826**

RNF144 (RNF144A) (NM_014746) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF144 (RNF144A) (NM_014746) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF144
Synonyms:	hUIP4; RNF144; UBCE7IP4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_014746.2
 CCCGCGCGGGCTCTCGGCAGGCGGGAGGCGGCAGGGCTGGCATTGCAGTGCGGGCCGTGC
 GGGCTGCGCGGGCGCGGGGAGGCGGGCGGCAAACCTGCGGGCACCCGGCACCCCGCAGC
 CAGTACCGGGCGGAGGCGTCAGAGCCGCGCACCCGCGGACGAGCAGGCCAGGCATCCAGT
 ACCCTGCTGACTCTGACATGCCCCAGCCTCCCCAGCTCTGCAGGGAGCCCTGGTGCCA
 GAGACCTTCTCCATTTCTCCCTATGGGTGCCTGACCTGAGGGCAGAGACATCTGAGTGT
 GTATAAGCACAGCAGGACACCAGGACCTGGCCTGAAGACATTTCTCTCCCTCCCCTTGG
 ATTTCTCAGAGACTGTTCTGCGATGACCACAGCAAGGTACCGGCCACCTGGGACCTGGC
 CCTCGACCCGCTGGTGTCTTGAAGCTCTGTCTTGGGGAGTACCCAGTGGAGCAGATGAC
 AACCATAGCCCAGTGCCAATGCATCTTCTGTACTCTGTGCCTGAAACAGTATGTTGAGCT
 CTTGATCAAAGAAGGATTAGAAACCGCAATTAGCTGCCAGATGCTGCCTGCCCTAAACA
 GGGCCACCTACAGGAGAACGAGATTGAGTGCATGGTTGCAGTGAAATTATGCAAAGATA
 TAAAAAGCTACAATTTGAAAGAGAGGTGCTGTTTATCCCTGTCGGACTTGGTGCCCGG
 GTCCACCTGCCAAGCTGTGTGTCAGCTCCAGGACGTGGGGCTGCAGACCCCCAGCCAGT
 GCAGTGCAAAGCCTGCCGTATGGAATTCTGCTCCACCTGCAAAGCCAGCTGGCACCTGG
 CCAGGGCTGCCCGGAGACCATGCCGATCACCTTCTCCCGGGGAGACCAGTGTGCTTT
 CAAAATGGAAGAAGATGACGCGCCCATCAAGCGCTGCCCAAGTGCAAAGTCTACATCGA
 GCGAGACGAAGGCTGCGCGCAGATGATGTGCAAGAAGTCAAGCAGCAGCTTCTGCTGGTA
 CTGCTGGAGTCTCTGGACGATGATTTCTTCTGATACACTACGATAAGGGACCCCTGCCG
 GAACAAGCTGGGCCACTCCCGGGCATCTGTGATCTGGCATCGGACACAGGTTGTGGGCAT
 TTTTGCAGGATTTGGGCTGCTGCTTGGTGGCCTCACCTTCTACTCTGGCCACTCC
 CTTTGTACTTTGCTGCAAGTCAAGTGCAGTAAAGGTGACGACACCCGTTACCCACCTA
 GAGGAAGCGCGATGCTGGAACACATCCCTGCCTCCGGGAAGTGTGGCTCTCCCCAACCC
 TCCCCACCGTCCCCCTTCACTAAACATCTTTCTTGCCTTATGTGCCCATTTGAGCTTCA
 CAGTGTACAGGCTGGACGCGGTGATTTACAGGACCTATGTCACAATGTTGCTGAGCCCC
 AGGTGTGGTGGGAGGGAGGCAGGTGTGGGTAGCGCACATCCCCACAGATCAATCTCTG
 CAGATGACAGGGAGGTGCTGTGAGAAGTGCACCAGGCAGCTTTCTCTGTGGTAGACTA
 GGCATGTCTGGGGATGGCCTAAGAGACTTTCTGCTCCTTGGCTTCTAGATGGCACCATGT
 TGTCAGAGAAGTCTTTAAGGACTGCCACTCTCTCAGACAGAATCTGATTATCCAGCT
 TGAGAGAAGCACTCTGTTTATGACAACCTGTTTTATTACTAATGGCATTTAGTAAATCC
 TTTTGTAGAAAGTAA
 AAA

Restriction Sites: Please inquire

ACCN: NM_014746

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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.

RefSeq: [NM_014746.2](#), [NP_055561.2](#)

RefSeq Size: 5755 bp

RefSeq ORF: 879 bp

Locus ID: 9781

UniProt ID: [P50876](#)

Cytogenetics: 2p25.1

Domains: IBR

Protein Families: Druggable Genome, Transmembrane

Gene Summary: This gene encodes a member of a family of RING finger domain-containing E3 ubiquitin ligases that also includes parkin and parc. The expression of this gene is induced by DNA damage. The encoded protein interacts with the cytoplasmic DNA-dependent protein kinase, catalytic subunit (DNA-PKcs) and promotes its degradation through ubiquitination. The orthologous mouse protein has been shown to interact with a ubiquitin-conjugating enzyme involved in embryonic development. [provided by RefSeq, Mar 2017]

Transcript Variant: This variant (2) differs in the 3' coding region and 3' UTR compared to variant 1. The encoded isoform (2) has a shorter and distinct C-terminus compared to isoform 1. Variants 2-5 encode the same isoform (2). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.