

Product datasheet for **SC206569**

RWDD3 (NM_001128142) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: RWDD3 (NM_001128142) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: RWDD3
Synonyms: RSUME
ACCN: NM_001128142
Insert Size: 502 bp
Insert Sequence: >SC206569 3'UTR clone of NM_001128142
The sequence shown below is from the reference sequence of NM_001128142. 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
AGAAACAACCTCAAGGTGCCAAAAAGTTAATGTTTCTGGCATTGGAAGTCAAAGAGTATTCAGCGTTG
GATGAATTACAAAAGGAATTTGAACTGCAGGACTTAAGAAGCTTTCTCCGAATTTGACTTGCTCTG
GTAAAATGAAATGGAAGACAGGAATCTTTTAGTAAAATAGCAGTGTTTTTGTTGTTTTGCATTGGAT
TTGGGGAGTGTTAATTGAAATAGTCAATTTTAAAGTTTCTCTGAAGCAAATGATAGGCATCATTCTA
ACTTCAGGAACAAAAGCCAGTTCTGTTTTATGAAATATTAACATGAAGAAAAGTGTATATTCTAATG
TTTGCCAGGAAAGGCTAGGTTTCAGTAGATGAGACATTATTTAAAAGATAAATTTAAAAGATGGTAAAT
GAACACTTGTTTTTATAGACAATATTTGTTTGAAGTATGTAATTTTCTGGCTAATTTCTGTAATTA
AATGATTTTTTAAAAAGA
ACGCGTAAGCGGCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

Restriction Sites: SgfI-MluI

OTI Disclaimer: 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).

Components: 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.

RefSeq: [NM_001128142.2](#)



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Summary:

Enhancer of SUMO conjugation. Via its interaction with UBE2I/UBC9, increases SUMO conjugation to proteins by promoting the binding of E1 and E2 enzymes, thioester linkage between SUMO and UBE2I/UBC9 and transfer of SUMO to specific target proteins which include HIF1A, PIAS, NFKBIA, NR3C1 and TOP1. Isoform 1 and isoform 2 positively regulate the NF-kappa-B signaling pathway by enhancing the sumoylation of NF-kappa-B inhibitor alpha (NFKBIA), promoting its stabilization which consequently leads to an increased inhibition of NF-kappa-B transcriptional activity. Isoform 1 and isoform 2 negatively regulate the hypoxia-inducible factor-1 alpha (HIF1A) signaling pathway by increasing the sumoylation of HIF1A, promoting its stabilization, transcriptional activity and the expression of its target gene VEGFA during hypoxia. Isoform 2 promotes the sumoylation and transcriptional activity of the glucocorticoid receptor NR3C1 and enhances the interaction of SUMO1 and NR3C1 with UBE2I/UBC9. Has no effect on ubiquitination.[UniProtKB/Swiss-Prot Function]

Locus ID:

25950

MW:

19.4