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Product datasheet for SC204979

RWDD3 (NM_015485) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	RWDD3 (NM_015485) Human 3' UTR Clone
Symbol:	RWDD3
Synonyms:	RSUME
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_015485
Insert Size:	385 bp
Insert Sequence:	>SC204979 3'UTR clone of NM_015485 The sequence shown below is from the reference sequence of NM_015485. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC TCCGAATTTGTACTTGCTCTGGTAAAATGAAATGGAAGACAGGAATCTTTTAGTAAAATAGCAGTGTTT TTTGTTGTTTTTGCATTGGATTTGGGGAGTGGTTAATTGAAATAGTCAATTTTAAAGTTTCTCTGAAGC AAAATGATAGGCATCATTCTAACTTCAGGAACAAAAGCCAGTTCTGTTTTATGAAATATTAAACATGAA GAAAACTTGTATATTCTAATGTTTGCCAGGAAAGGCTAGGTTCAGTAGATGAGACATTATTTAAAAGAT AAATTTAAAAAGATGGTAAATGAACACTTGTTTTTATAGACAATATTTGTTTGAAACTATGTAATTTTC TGGCTAATTTTCTTGTAATTAAATGATTTTTTAAAAAAGA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
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.

View online »

RefSeq: NM_015485.5

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: 14.9