

Product datasheet for **SC204687**

COP1 (RFWD2) (NM_001001740) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	COP1 (RFWD2) (NM_001001740) Human 3' UTR Clone
Symbol:	COP1
Synonyms:	CFAP78; FAP78; RFWD2; RNF200
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001001740
Insert Size:	352 bp
Insert Sequence:	<p>>SC204687 3'UTR clone of NM_001001740</p> <p>The sequence shown below is from the reference sequence of NM_001001740. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p> <pre> GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGCCGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAACGATCGCC GGTACAATTAAGGTGCTAGAATTGGTATAAGGGTTAACTCAAGTCAAATTGTACTTGATCCTGCTGAA ATACATCTGCAGCTGACAATGAGAGAAGAAACAGAAAATGTCATGTGATGTCTCTCCCAAAGTCATCA TGGGTTTTGGATTGTGTTGAATATTTTTCTTTTTCTTTCCCTCCTTTATGACCTTTGGGACAT TGGGAATACCCAGCCAACCTCTCCACCATCAATGTAAGTCCATGGACATTGCTGCTTTGGTGGTGTAT CTAATTTTGTGATAGGGAAACAAATTCTTTGAATAAAATAAATAACAAAACAATAAAAGTTTATTG AGCCACA ACGCGTAAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG </pre>
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.


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RefSeq: NM_001001740.4

Summary: E3 ubiquitin-protein ligase that mediates ubiquitination and subsequent proteasomal degradation of target proteins. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Involved in JUN ubiquitination and degradation. Directly involved in p53 (TP53) ubiquitination and degradation, thereby abolishing p53-dependent transcription and apoptosis. Ubiquitinates p53 independently of MDM2 or RCHY1. Probably mediates E3 ubiquitin ligase activity by functioning as the essential RING domain subunit of larger E3 complexes. In contrast, it does not constitute the catalytic RING subunit in the DCX DET1-COP1 complex that negatively regulates JUN, the ubiquitin ligase activity being mediated by RBX1. Involved in 14-3-3 protein sigma/SFN ubiquitination and proteasomal degradation, leading to AKT activation and promotion of cell survival. Ubiquitinates MTA1 leading to its proteasomal degradation. Upon binding to TRIB1, ubiquitinates CEBPA, which lacks a canonical COP1-binding motif (Probable).[UniProtKB/Swiss-Prot Function]

Locus ID: 64326

MW: 13.5