

Product datasheet for **SC323786**

RAD18 (NM_020165) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAD18 (NM_020165) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAD18
Synonyms:	RNF73
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_020165.2
 GTGTTGGAGCGCCGGAGGCTAGTGGGTGGCTGACCCCCAGCATCCTCGAGAGCGACCATG
 GACTCCCTGGCCGAGTCTCGGTGGCCTCCGGCCCTGGCAGTCATGAAGACAATAGATGAT
 TTGCTGCGGTGTGGAATTTGCTTCGAGTATTTCAACATTGCAATGATAATACCTCAGTGT
 TCACATAACTACTGCTCTCTGTATAAGAAAAATTTCTGTCCTATAAACTCAGTGTCCA
 ACTTGCTGTGTGACTGTACAGAGCCGGATCTGAAAAATAACCGCATATTAGATGAAGTGT
 GTAAAAAGCTTGAATTTTGCACGGAATCATCTGCTGCAGTTTGTCTTAGAGTCACCAGCC
 AAATCTCCTGCTTCTTCTTCAAAGAATCTTGCTGTCAAAGTATATACTCCTGTAGCC
 TCCAGACAGTCTTTAAAGCAGGGGAGCAGGTTAATGGATAATTTCTTGATCAGAGAAATG
 AGTGGTTCTACATCAGAGTTGTTGATAAAAAGAAAAAAAAGCAAATTCAGCCCTCAAAAA
 GAGGCGAGCCCTGCTGCAAAGACCAAAGAGACACGTTCTGTAGAAGAGATCGCTCCAGAT
 CCCTCAGAGGCTAAGCGTCTGAGCCACCCTCGACATCCACTTTGAAACAAGTTACTAAA
 GTGGATTGTCCTGTTTGCAGGGTAAACATTCCAGAAAGTCACATTAATAAGCATTAGAC
 AGCTGTTTATCACGCGAAGAGAAGAAGGAAAGCCTCAGAAGTTCTGTTCCAAAAAGGAAG
 CCGCTGCCAAAACTGTATATAATTTGCTCTGTATCGTGATTTAAAGAAAAAGTAAAA
 GAGCATGGATTATCTATTCAAGGAAATAAACAACAGCTCATTAAAGGCCACCAAGAATTT
 GTACACATGTACAATGCCAATGCGATGCTTTGCATCCTAAATCAGCTGCTGAAATAGTT
 CAAGAAATCGAAAATATAGAGAAGACTAGGATGCGTCTTGAAGCTAGTAACTCAATGAA
 AGTGTAATGGTTTTTACAAGGACCAAACAGAAAAGGAAATAGATGAAATCCACAGTAA
 TATCGTAAAAACATAAGAGTGAATTTTCAAGCTTCTGGTGGATCAGGCTAGAAAAGGATAC
 AAGAAAATTGCTGGAATGTCACAAAAACAGTAACAATAACAAAAGAAGATGAATCTACA
 GAAAAGCTATCTTCTGTATGCATGGGACAGGAAGATAATATGACCTCAGTAACAAACCAC
 TTTTCTCAATCAAAGCTGGACTCCCAGAGGAATTGGAACCTGACAGAGAAGAGGATTCT
 TCTAGCTGATTGATATTCAAGAAGTTCTTTCTCATCAGAATCAGATTATGCAATAGT
 TCCAGTTCAGACATCATAAGAGATCTTTTGAAGAAGAGGAAGCCTGGGAAGCATCACAT
 AAAACGATCTTCAAGACACAGAAATAAGTCCAAGACAGAATCGCCGCACAAGAGCCGCT
 GAAAGTGTGAGATTGAACCAAGAAACAAGCGTAATAGGAATTAATGTGGGCTTTTGTG
 ACTTTTCAAATGCATTGATTAGAATACCGTACTTTTGGTTGCCACAGATAGATTTTCTAT
 TTATAAATGCCCAAGGAAAGATGCTAAATCTAAATATTACGGTTAGCTGATATTCATTC
 TTTTCTGCTTTTCCAGAGGGGAAAAATGTTACAAAATATCCTTACTTGGTCAGTTGCCTC
 CTGCTCTAAAACATCTCTCTCTAAAAATACTGACATTTACACAGGTACCAGCTTTGCA
 GAGGAGGTAGACTCTTTGGCACTTTGGCACAGGATTTGGTTTGGTTTGGTTTGGTTTGA
 TAATTAATTTTCAAGATGTCAAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_020165

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:	<ol style="list-style-type: none">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_020165.2 , NP_064550.2
RefSeq Size:	3053 bp
RefSeq ORF:	1488 bp
Locus ID:	56852
UniProt ID:	Q9NS91
Cytogenetics:	3p25.3
Domains:	RING, SAP, ZnF_Rad18
Protein Families:	Druggable Genome
Gene Summary:	The protein encoded by this gene is highly similar to <i>S. cerevisiae</i> DNA damage repair protein Rad18. Yeast Rad18 functions through its interaction with Rad6, which is an ubiquitin-conjugating enzyme required for post-replication repair of damaged DNA. Similar to its yeast counterpart, this protein is able to interact with the human homolog of yeast Rad6 protein through a conserved ring-finger motif. Mutation of this motif results in defective replication of UV-damaged DNA and hypersensitivity to multiple mutagens. [provided by RefSeq, Jul 2008]