

## Product datasheet for TP301700L

### RAD18 (NM\_020165) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human RAD18 homolog ( <i>S. cerevisiae</i> ) (RAD18), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201700 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MDSLAESRWPPGLAVMKTIDDLLRCGICFEYFNIAIMIIPQCASHNYCSLCIRKFLSYKTQCPTCCVTVTEP  
DLKNNRILDELVKSLNFARNHLLQFALESPAKSPASSSSKNLAVKVYTPVASRQSLKQGSRLMDNFLIRE  
MSGSTSELLIKENKSKFSPQKEASPAAKTKETRSVEEIAPDPSEAKRPEPPSTSTLKQVTKVDCPVCVGN  
IPESHINKHLDSCLSREEKESLRSSVHKKRPLPKTVYNLLSDRDLKKKLKEHGLSIQGNKQQLIKRHQE  
FVHMYNAQC DALHPKSAAEIVQEIENIEKTRMRLEASKLNESVMVFTKDQTEKEIDEIHSKYRKKHKSEF  
QLLVDQARKGYKKIAGMSQKTVTITKEDESTEKLSVCMGQEDNMTSVTNHFSQSKLDSPEELEPDREED  
SSSCIDIQEVLSSES DSCN SSSSDIIRD LLEEEEAWEASHKNDLQDTEISPRQNRRTAAESAIEIPRN  
KRNRN

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

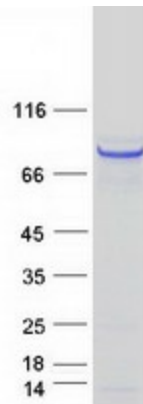
Tag:	C-Myc/DDK
Predicted MW:	56 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	In vitro protein binding assay (PMID: <a href="#">25961918</a> )
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_064550</a>
<b>Locus ID:</b>	56852
<b>UniProt ID:</b>	<a href="#">Q9NS91</a>
<b>RefSeq Size:</b>	5739
<b>Cytogenetics:</b>	3p25.3
<b>RefSeq ORF:</b>	1485
<b>Synonyms:</b>	RNF73
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome

### Product images:



Coomassie blue staining of purified RAD18 protein (Cat# [TP301700]). The protein was produced from HEK293T cells transfected with RAD18 cDNA clone (Cat# [RC201700]) using MegaTran 2.0 (Cat# [TT210002]).