Active Recombinant Full Length Human RAD18 Protein, C-Flag-tagged

Cat. No. RAD18-529HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human RAD18 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The protein encoded by this gene is highly similar to S. cerevisiae 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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	In vitro protein binding assay
Molecular Mass	56 kDa
AA Sequence	MDSLAESRWPPGLAVMKTIDDLLRCGICFEYFNIAMIIPQCSHNYCSLCIRKFLSYKT QCPTCCVTVTEP DLKNNRILDELVKSLNFARNHLLQFALESPAKSPASSSSKNLAVK VYTPVASRQSLKQGSRLMDNFLIRE MSGSTSELLIKENKSKFSPQKEASPAAKTKET

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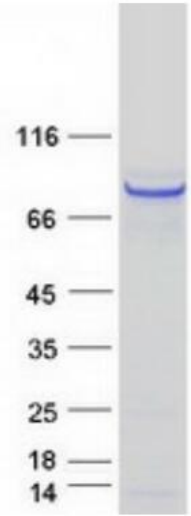
	RSVEEIAPDPSEAKRPEPPSTSTLKQVTKVDCPVCGVN IPESHINKHLDSCLSREEK KESLRSSVHKRKPLPKTVYNLLSDRDLKKKLKEHGLSIQGNKQQLIKRHQE FVHMY NAQCDALHPKSAAEIVQEIENIEKTRMRLEASKLNESVMVFTKDQTEKEIDEIHSKYR KKHKSEF QLLVDQARKGYKKIAGMSQKTVTITKEDESTEKLSSVCMGQEDNMTSVT NHFSQSKLDSPEELEPDREED SSSCIDIQEVLSSSESDSCNSSSSDIIRDLLEEEEA WEASHKNDLQDTEISPRQNRRTRAAESAEIEPRN KRNRNTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

Gene Name	RAD18 RAD18 E3 ubiquitin protein ligase [Homo sapiens (human)]
Official Symbol	RAD18
Synonyms	RNF73

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Gene ID	56852
mRNA Refseq	NM_020165.4
Protein Refseq	NP_064550.3
MIM	605256
UniProt ID	Q9NS91



Coomassie blue staining of purified RAD18 protein.

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