

Recombinant Mouse Rad18 Protein, Myc/DDK-tagged

Cat. No. Rad18-5347M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length RAD18 homolog (<i>S. cerevisiae</i>) (cDNA clone MGC:19000 IMAGE:4014013), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	E3 ubiquitin-protein ligase involved in postreplication repair of UV-damaged DNA. Postreplication repair functions in gap-filling of a daughter strand on replication of damaged DNA. Associates to the E2 ubiquitin conjugating enzyme UBE2B to form the UBE2B-RAD18 ubiquitin ligase complex involved in mono-ubiquitination of DNA-associated PCNA on 'Lys-164'. Has ssDNA binding activity.
Molecular Mass	54.3 kDa
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 after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Rad18 RAD18 E3 ubiquitin protein ligase [*Mus musculus* (house mouse)]

Official Symbol Rad18

Synonyms Rad18; RAD18 E3 ubiquitin protein ligase; Rad18sc; 2810024C04Rik; E3 ubiquitin-protein ligase RAD18; RAD18 homolog; RING-type E3 ubiquitin transferase RAD18; mRAD18Sc; post-replication repair protein RAD18SC; postreplication repair protein RAD18; EC 2.3.2.27

Gene ID 58186

mRNA Refseq NM_021385

Protein Refseq NP_067360

UniProt ID Q9QXK2

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