

Product datasheet for TP504378

Rad18 (BC011120) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse RAD18 homolog (<i>S. cerevisiae</i>) (cDNA clone MGC:19000 IMAGE:4014013), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204378 representing BC011120 Red =Cloning site Green =Tags(s)
	MEVLAEPRWPPGLAVMKTIDLLRCGICFEYFNIAVIIPQCSHNYCSLCIRKFLSYKTQCPTCCVAVTEP DLRNNRLLDELVKSMNFARTHLLQFALESPPISVVSSTSKKVVVKVHNADAAQHPVKQGNRLMDKFLIRE TGDCVFELLGKENERKFSPQKELSTSAEIKETSLLGKPVGLSDANGPVTPTSTMKLDTKVSCPVCVGS IPENHINKHLDSCLSREEKESLRSSAHKRKPLPKTVYNLLSDRDLKKKLQYGLSVQGNKQQLIKRHQE FVHMYNAQCDALHPKSGHGFYKEPNREGN
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	54.3 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
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 after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Locus ID:	58186
UniProt ID:	<u>Q9QXK2</u>
RefSeq Size:	1482



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Cytogenetics:	6 E3
RefSeq ORF:	927
Synonyms:	2810024C04Rik; Rad18sc
Summary:	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.[UniProtKB/Swiss-Prot Function]