

Product datasheet for **TP304439**

Rad9 (RAD9A) (NM_004584) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human RAD9 homolog A (S. pombe) (RAD9A), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>Peptide sequence encoded by RC204439 Blue=ORF Red=Cloning site Green=Tag(s)
	<p>MKCLVTGGNVKVLGKAVHLSRIGDELYLEPLEDGLSLRTVNSSRSAYACFLFAPLFFQYQAATPGQD LLRCKILMKSFLSVFRSLAMLEKTVEKCCISLNGRSSRLVWQLHCKFGVRKTHNLSFQDCESLQAVFDP ASCPHMLRAPARVLGEAVLPFSPALAEVTLGIGRGRVILRSYHEEEADSTAKAMVTEMCLGEEDFQQL QAQEGVAITFCLKEFRGLLSFAESANLNLSIHFDAPGRPAIFTIKDSLDDGHFVLATLSDTDSHSQDLG SPERHQVPVQLQAHSTPHPPDDFANDDIDSYMIAMETTIGNEGSRVLPISLSPGPQPPKSPGPHSEEDD EAEPSTVPGTPPPKKFRSLFFGSILAPVRSPQGPSPVLAEDSEGEG TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
	Recombinant protein using RC204439 also available, TP304439
Tag:	C-Myc/DDK
Predicted MW:	42.4 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
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.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_004575



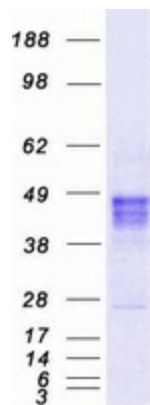
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Locus ID: 5883
UniProt ID: [Q99638](#)
RefSeq Size: 2128
Cytogenetics: 11q13.2
RefSeq ORF: 1173
Synonyms: RAD9

Summary: This gene product is highly similar to *Schizosaccharomyces pombe rad9*, a cell cycle checkpoint protein required for cell cycle arrest and DNA damage repair. This protein possesses 3' to 5' exonuclease activity, which may contribute to its role in sensing and repairing DNA damage. It forms a checkpoint protein complex with RAD1 and HUS1. This complex is recruited by checkpoint protein RAD17 to the sites of DNA damage, which is thought to be important for triggering the checkpoint-signaling cascade. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]

Protein Families: Druggable Genome, Stem cell - Pluripotency

Product images:



Coomassie blue staining of purified RAD9A protein (Cat# TP304439). The protein was produced from HEK293T cells transfected with RAD9A cDNA clone (Cat# [RC204439]) using MegaTran 2.0 (Cat# [TT210002]).