

Active Recombinant Full Length Human RAD51, His-tagged

Cat. No. RAD51-128H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Full Length Human RAD51, fused with N terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-339 aa
Form	Lyophilized from sterile PBS, 0.01% SKL, pH 7.4, 5% Trehalose, 5% Mannitol.
Bio-activity	The EC50 of the RAD51 is 16.3607ug/ml in the presence of 1ug of RAD51 antibody.
Molecular Mass	The protein has a calculated MW of 41 kDa.
AA Sequence	MGSSHHHHHHSSGLVPRGSHMASMTGGQQMGRGSEFAMQMQLLEANADTSVEEE SFGPQPISRLEQCGINANDVKKLEEAGFHTVEAVAYAPKKELINIKGISEAKADKILAE AAKLVPMGFTTATEFHQRRSEIIQITTSKELDKLLQGGIETGSITEMFGEFRTGKTQI CHTLAVTCQLPIDRGGGEGKAMYIDTEGTFRPERLLAVAERYGLSGSDVLDNVAYA RAFNTDHQTQLLYQASAMMVESRYALLIVDSATALYRTDYSGRGELSARQMHLARF LRMLRLADEFGVAVVITNQVVAQVDGAAMFAADPKKPIGGNIIAHASTTRLYLRKGR GETRICKIYDSPCLPEAEAMFAINADGVGDAKD
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.

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Purity	> 90% as determined by SDS-PAGE.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	RAD51 RAD51 homolog (RecA homolog, E. coli) (S. cerevisiae) [Homo sapiens]
Official Symbol	RAD51
Synonyms	RAD51; RAD51 homolog (RecA homolog, E. coli) (S. cerevisiae); RECA; BRCC5; HRAD51; RAD51A; HsRad51; HsT16930; RAD51 homolog protein; RecA-like protein; RAD51D; recombination protein A; RecA, E. coli, homolog of DNA repair protein RAD51 homolog 1; BRCA1/BRCA2-containing complex, subunit 5; RAD51L3; hRAD51; RAD51 (S. cerevisiae) homolog (E coli RecA homolog)
Gene ID	5888
mRNA Refseq	NM_002875
Protein Refseq	NP_002866
MIM	179617
UniProt ID	Q06609

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