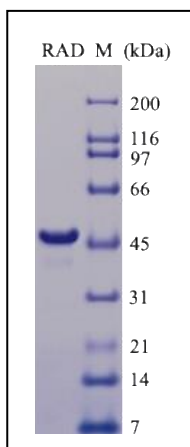


Recombinant RAD51 Protein

Catalog Number	Size
AG1116-10	10ug
AG1116-25	25ug
AG1116-B	Bulk

Description



The human RAD51 recombinase protein was expressed in the E coli system and purified by the combination of Ni-affinity column and other conventional chromatographic methods. The resulted protein contains 359 (20+339) amino acids with an 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 48kDa.

MGSSHHHHHHSSGLVPRGSHMAMQMQLLEANADTSVEEESFGPQPISRLEQ
CGINANDVKKLEEAGFHTVEAVAYAPKKELINIKGISEAKADKILAEAAK
LVPMGFTTATEFHQRRSEIIQITTGSKELDKLLQGGIETGSITEMFGEFR
TGKTQICHTLAVTCQLPIDRGGGEGKAMYIDTEGTFRPERLLAVAERYGL
SGSDVLDNVAYARAFNTDHQTQLLYQASAMMVESRYALLIVDSATALYRT
DYSGRGELSARQMHLARFLRMLRLADEFGVAVVITNQVVAQVDGAAMFA
ADPKKPIGGNIIAHASTTRLYLRKGRGETRICKIYDSPCLPEAEAMFAIN
ADGVGDAKD-

Accession Number

NM_002875

Molecular Mass

Approximately 48kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

The RAD51 is a member of the RAD51 protein family It acts as a DNA repair enzyme involved in homologous recombination and DNA repair by interacting with the ssDNA-binding protein RPA and RAD52. The recombinant RAD51 protein can be used for the studies of DNA-repair assays, protein-protein interactions, and other related function assays.

Formulation

20mM Tris-Cl (pH7.9), 20% glycerol 100mM NaCl, 1mM DTT and 1mM EDTA.

Storage

The protein sample can be stored under sterile conditions at 2-8°C for one month or at -20°C to -70°C for three months without detectable loss of activity. **(Avoid repeated freeze-thaw cycle)**

FOR RESEARCH USE ONLY!!!