

## Product datasheet

# Recombinant Human RAD52 protein ab188614

[1 References](#) [1 Image](#)

### Description

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**Product name** Recombinant Human RAD52 protein

**Purity** > 90 % SDS-PAGE.

**Expression system** Escherichia coli

**Accession** **P43351**

**Protein length** Full length protein

**Animal free** No

**Nature** Recombinant

**Species** Human

**Sequence**

```
MSGTEEAILGGRDShpAAGGGSVLcFGQCQYTAEEYQAI
QKALRQRLGPE
YISSRMAGGGQKVCYIEGHRVINLANEMFGYNGWAHSITQ
QNVDFVDLNN
GKFYVGVCafvrvQLKDGsyHEDVgyGVSEGLKSKALS
EKARKEAVTDG
LKRALRSFGNALGNCILDkDYLRSLNKLPRQLPLEVDLTKA
KRQDLEPSV
EEARYNSCRPNMALGHPQLQQVTSPSRPshAVIPADQDC
SSRSLSSSAVE
SEATHQRKLRQKQLQQQFRERMEKQQVRVSTPSAEKSE
AAPPAPPVTHST
PVTVSEPLLEKDFLAGVTQELIKTLEDNSEKwAVTPDAGD
GVVKPSSRAD
PAQTSDTLALNNQMVTQNRTPHSVCHQKPQAKSGSWDL
QTYSADQRTTGN WESHrKSQDMKkRKYDPS
```

**Predicted molecular weight** 46 kDa

**Amino acids** 1 to 418

### Specifications

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Our **Abpromise guarantee** covers the use of **ab188614** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications** SDS-PAGE

**Form** Western blot  
Liquid

## Preparation and Storage

**Stability and Storage** Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.  
pH: 6.5  
Constituents: 0.42% Potassium phosphate, 1.5% Potassium chloride, 20% Glycerol (glycerin, glycerine), 0.01% EDTA, 0.02% Beta mercaptoethanol

## General Info

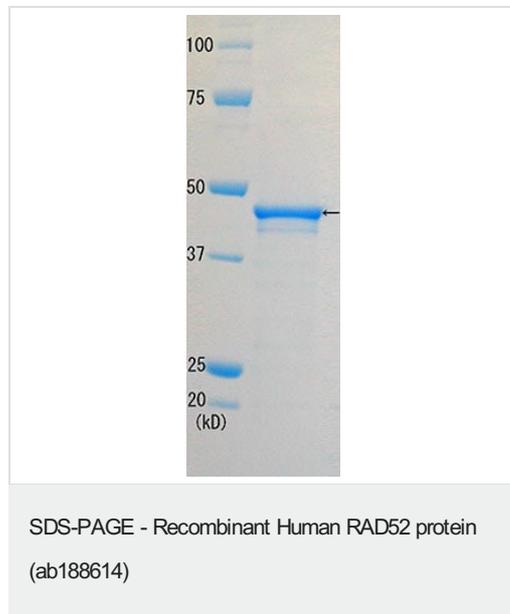
**Function** Involved in double-stranded break repair. Plays a central role in genetic recombination and DNA repair by promoting the annealing of complementary single-stranded DNA and by stimulation of the RAD51 recombinase.

**Sequence similarities** Belongs to the RAD52 family.

**Post-translational modifications** Phosphorylated upon DNA damage, probably by ATM or ATR.

**Cellular localization** Nucleus.

## Images



SDS-PAGE analysis of ab188614.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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