



## Rad52 Protein (human)

Product No. : BAM-10-003 20 µg  
BAM-10-004 100 µg

Human Rad52 protein plays a major role in genetic recombination and recombination repair by mediating strand-annealing reaction between complementary DNA strands (1). Rad52 functionally and physically interacts with Rad51, Dmc1, and RPA in recombination processes. In radiation damaged cell, Rad52 is phosphorylated at Tyr104 by c-Abl tyrosine kinase and forms nuclear foci (2).

The product was highly purified from *E. coli* over-expressing human Rad52 protein as a recombinant protein (3).

### Specification

Purity: > 90% as judged from SDS-PAGE analysis (Fig.1)

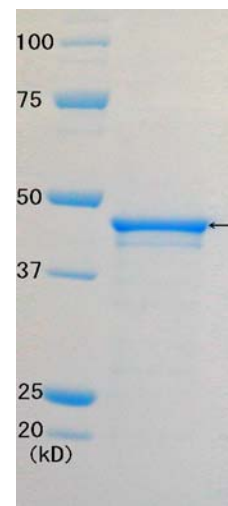
Form: 1.0 mg/ml in 20 mM potassium phosphate pH 7.5 200 mM KCl, 2 mM 2ME, 0.5 mM EDTA, 20% glycerol

Storage: -70°C

### Application

- 1) Studies on homologous recombination in mammals including human.
- 2) Studies on the interaction of Rad52 protein with various proteins.
- 3) To be used as a standard for western blotting.

Fig. 1 Analysis of purified human Rad51 protein by SDS-PAGE.



### Reference:

1. Friedberg EC, et al. DNA Repair and Mutagenesis 2<sup>nd</sup> ed., ASM Press
2. Kitao H & Yuan Z M, J. Biol. Chem. 277:48944 (2002)
3. Kurumizaka H et al. J Biol Chem 276: 35201 (2001)

### Related Products:

BAM-70-011 anti-Rad52 (human) rabbit affinity purified antibody

BAM-10-001 Rad51 (human) protein

BAM-70-001 Anti-Rad51 (human) rabbit antiserum

BAM-70-003 Anti-Rad51 (human) chicken antiserum

BAM-70-005 AntiRad51 (human) IgY

BAM-70-007 Anti-Rad51 (human) IgY-conjugated resin

BAM-70-009 Anti-Rad51(human) IgY, antigen affinity purified

*For research use only; not for use as a diagnostic.*

