

Rad52 Protein (human)

10-003 20 µg, # 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).

Applications

- 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 Blot.

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

Reference (This product was used in reference 3)

1. Friedberg EC, et al. DNA Repair and Mutagenesis 2nd 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 :

- 70-011 anti-Rad52 (human) rabbit affinity purified antibody
- 10-001 Rad51 (human) protein
- 70-001 Anti-Rad51 (human) rabbit antiserum
- 70-003 Anti-Rad51 (human) chicken antiserum
- 70-005 AntiRad51 (human) IgY
- 70-007 Anti-Rad51 (human) IgY-conjugated resin
- 70-009 Anti-Rad51(human) IgY, antigen affinity purified

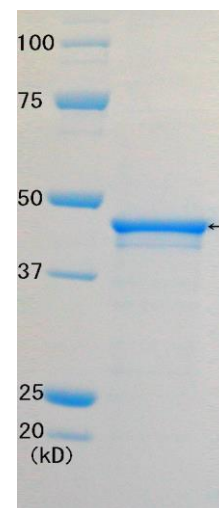


Figure 1: Analysis of purified human Rad52 protein by SDS-PAGE.