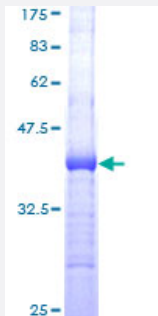


RAD54L (Human) Recombinant Protein (Q01)

Catalog # H00008438-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human RAD54L partial ORF (NP_003570, 638 a.a. - 747 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	KKALSSCVVDEEQDVERHFSLGELKELFILDEASLSDTHDRLHCRRCVNSRQIRPPPDGSDCTS DLAGWNHCTDKWGLRDEVLQAAWDAASTAITFVFHQRSHEEQRGLR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (92); Rat (92)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — RAD54L

Entrez GeneID [8438](#)

GeneBank Accession# [NM_003579](#)

Protein Accession# [NP_003570](#)

Gene Name RAD54L

Gene Alias HR54, RAD54A, hHR54, hRAD54

Gene Description RAD54-like (S. cerevisiae)

Omim ID [603615](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene belongs to the DEAD-like helicase superfamily, and shares similarity with *Saccharomyces cerevisiae* Rad54, a protein known to be involved in the homologous recombination and repair of DNA. This protein has been shown to play a role in homologous recombination related repair of DNA double-strand breaks. The binding of this protein to double-strand DNA induces a DNA topological change, which is thought to facilitate homologous DNA pairing, and stimulate DNA recombination. Alternative splicing results in multiple transcript variants encoding the same protein

Other Designations OTTHUMP00000009440|RAD54 homolog|RAD54-like protein

Pathway

- [Homologous recombination](#)

Disease

- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Multiple Sclerosis](#)
- [Occupational Diseases](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)