

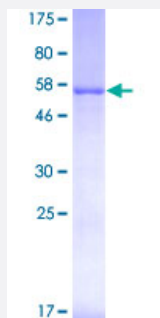
Full-Length

RAD51L3 (Human) Recombinant Protein (P01)

Catalog # H00005892-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human RAD51L3 full-length ORF (AAH14422, 1 a.a. - 328 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGVLRVGLCPGLTEEMIQLLRSHRIKTVVDLVSADLEEVAQKCGLSYKALVALRRVLLAQFSAFP
VNGADLYEELKTSTAILSTGIGSLDKLLDAGLYTGEVTEIVGGPGSGKTQVCLCMAANVAHGLQQN
VLYVDSNGGLTASRLQLLQAKTQDEEEQAEALRRIQVVHAFDIFQMLDVLQELRGTVAAQQVTGS
SGTVKVVVDSVTAVVSPLLGGQQREGLALMMQLARELKTARDLGMAVVVTNHITRDRDSGRL
KPALGRSWSFVPSTRILLDTIEGAGASGGRRMACLAKSSRQPTGFQEMVDIGTWGTSEQSATLQ
GDQT

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

61.82

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 — RAD51L3

Entrez GeneID [5892](#)

GeneBank Accession# [BC014422](#)

Protein Accession# [AAH14422](#)

Gene Name RAD51L3

Gene Alias HsTRAD, R51H3, RAD51D, Trad

Gene Description RAD51-like 3 (S. cerevisiae)

Omim ID [602954](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a member of the RAD51 protein family. RAD51 family members are highly similar to bacterial RecA and *Saccharomyces cerevisiae* Rad51, which are known to be involved in the homologous recombination and repair of DNA. This protein forms a complex with several other members of the RAD51 family, including RAD51L1, RAD51L2, and XRCC2. The protein complex formed with this protein has been shown to catalyze homologous pairing between single- and double-stranded DNA, and is thought to play a role in the early stage of recombinational repair of DNA. Several alternatively spliced transcript variants of this gene have been described, but the biological validity of some of them has not been determined. [provided by RefSeq]

Other Designations DNA repair protein RAD51 homolog 4|RAD51-like 3|recombination repair protein

Pathway

- [Homologous recombination](#)

Disease

- [Adenocarcinoma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Multiple Sclerosis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic Neoplasms](#)
- [Urinary Bladder Neoplasms](#)