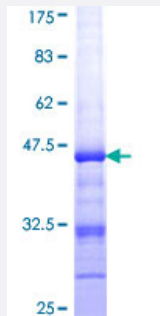


RAD18 (Human) Recombinant Protein (Q01)

Catalog # H00056852-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human RAD18 partial ORF (NP_064550, 332 a.a. - 430 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	EKEIDEIHSKYRKKHKSEFQLLLVDQARKGYKKIAGMSQKTVTITKEDESTKLSVCMGQEDNMTS VTNHFSQSKLDSPEELEPDREEDSSSCIDIQEV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (65); Rat (76)
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 — RAD18

Entrez GeneID [56852](#)

GeneBank Accession# [NM_020165](#)

Protein Accession# [NP_064550](#)

Gene Name RAD18

Gene Alias RNF73

Gene Description RAD18 homolog (S. cerevisiae)

Omim ID [605256](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is highly similar to S. cerevisiae DNA damage repair protein Rad18. Yeast Rad18 functions through its interaction with Rad6, which is an ubiquitin-conjugating enzyme required for post-replication repair of damaged DNA. Similar to its yeast counterpart, this protein is able to interact with the human homolog of yeast Rad6 protein through a conserved ring-finger motif. Mutation of this motif results in defective replication of UV-damaged DNA and hypersensitivity to multiple mutagens. [provided by RefSeq]

Other Designations RAD18, S. cerevisiae, homolog|postreplication repair protein hRAD18p

Disease

- [Adenocarcinoma](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)

- [Colorectal Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Neoplasms](#)