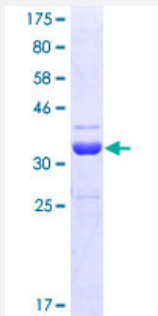


RAD23B (Human) Recombinant Protein (Q01)

Catalog # H00005887-Q01

Size 10 ug, 25 ug

Applications



Specification

Product Description	Human RAD23B partial ORF (NP_002865.1, 311 a.a. - 409 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	PQLLQQISQHQEHFIQMLNEPVQEAGGQGGGGGGGGSGGIAEAGSGHMYIQVTPQEKEAIERLKA LGFPEGLVIQAYFACEKNENLAANFLLQQNFDED
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
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 — RAD23B

Entrez GeneID [5887](#)

GeneBank Accession# [NM_002874](#)

Protein Accession# [NP_002865.1](#)

Gene Name RAD23B

Gene Alias HHR23B, HR23B, P58

Gene Description RAD23 homolog B (S. cerevisiae)

Omim ID [600062](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is one of two human homologs of *Saccharomyces cerevisiae* Rad23, a protein involved in the nucleotide excision repair (NER). This protein was found to be a component of the protein complex that specifically complements the NER defect of xeroderma pigmentosum group C (XP-c) cell extracts in vitro. This protein was also shown to interact with, and elevate the nucleotide excision activity of 3-methyladenine-DNA glycosylase (MPG), which suggested a role in DNA damage recognition in base excision repair. This protein contains an N-terminal ubiquitin-like domain, which was reported to interact with 26S proteasome, and thus this protein may be involved in the ubiquitin mediated proteolytic pathway in cells. [provided by RefSeq]

Other Designations OTTHUMP00000021857|RAD23, yeast homolog of, B|UV excision repair protein RAD23 homolog B|XP-C repair complementing complex 58 kDa|XP-C repair complementing protein

Publication Reference

- [Proteomic Identification of Hsp70 as a new Plk1 Substrate in Arsenic Trioxide-Induced Mitotically Arrested Cells.](#)

Chen Y, Lin YP, Chow LP, Lee TC.

Proteomics 2011 Nov; 11(22):4331.

Application: KA, WB-Re, Recombinant proteins

Pathway

- [Nucleotide excision repair](#)

Disease

- [Adenocarcinoma](#)
- [Adenoma](#)
- [Ataxia telangiectasia](#)
- [Biliary Tract Neoplasms](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Diseases](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Colorectal Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Kidney Failure](#)
- [Laryngeal Neoplasms](#)
- [Leukemia](#)
- [Lung Neoplasms](#)

- [Lymphoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Multiple Sclerosis](#)
- [Neoplasm Invasiveness](#)
- [Neoplasms](#)
- [Neuroma](#)
- [Ovarian cancer](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)