

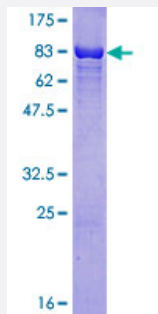
Full-Length

RAD23B (Human) Recombinant Protein (P01)

Catalog # H00005887-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human RAD23B full-length ORF (AAH20973.1, 1 a.a. - 409 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MQVTLKTLQQQTFKIDIDPEETVKALKEKIESEKGKDAFPVAGQKLIYAGKILNDDTALKEYKIDEKN
FVVVMVTKPKAVSTPAPATTQQSAPASTTAVTSSTTTVAQAPTPVPALAPTSTPASITPASATAS
SEPAPASAAKQEKPAEKPAETPVATSPTATDSTSGDSSRSNLFEDATSALVTGQSYENMVTEIM
SMGYEREQVIAALRASFNPDRAVEYLLMGIPGDRESQAVDPPQAASTGVPQSSAVAAAAAATT
TATTTTSSGGHPLEFLRNQPFQQMRQIIQQNPSSLPALLLQIGRENPLLQQISQHQEHFIQMLN
EPVQEAGGQGGGGGGGGSGGIAEAGSGHMNYIQVTPQEKEAIERLKALGFPEGLVIQAYFACEKNE
NLAANFLLQQNFDED

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

70.62

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# [BC020973.1](#)

Protein Accession# [AAH20973.1](#)

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, BJUV excision repair protein RAD23 homolog B|XP-C repair complementing complex 58 kDa|XP-C repair complementing protein

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](#)