

Recombinant Full Length Human RAD23B protein, His-tagged

Cat. No. RAD23B-84H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human RAD23B(NP_001231642.1)(Met1~Asp409), fused with N-His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1~Asp409
Description	The protein encoded by this gene is one of two human homologs of <i>Saccharomyces cerevisiae</i> 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. Alternative splicing results in multiple transcript variants encoding distinct isoforms.
Form	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Molecular Mass	57kDa as determined by SDS-PAGE reducing conditions.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AA Sequence	NQVTLKTLQQQTFKIDIDPEETVKALKEKIESEKGKDAFPVAGQKLIYAGKILNDDTAL KEYKIDEKNFVVVMNVTKPKAVSTPAPATTQQSAPASTTAVTSSTTTTVAQAPTVP ALAPTSTPASITPASATASSEPPAPASAAKQEKPAEKPAETPVATSPTATDSTSGDSS RSNLFEDATSALVTGQSYENMVTEIMSMGYEREQVIAALRASFNPNPDRAVEYLLMGI PGDRESQAVVDPPQAASTGAPQSSAVAAAAATTTATTTTTSSGGHPLEFLRNQPQF QQMRQIIQQNPSSLALLQQIGRENPLLQQISQHQEHFIQMLNEPVQEAGGQGGG GGGGSGGIAEAGSGHMNYIQVTPQEKEAIERLKALGFPEGLVIQAYFACEKNENLAA NFLQQNFDED
Endotoxin	< 1.0EU per 1g (determined by the LAL method)
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Notes	The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	10g/mL
Reconstitution	Reconstitute in ddH ₂ O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name RAD23B RAD23 homolog B (S. cerevisiae) [Homo sapiens]

Official Symbol [RAD23B](#)

Synonyms P58; HR23B; HHR23B

Gene ID [5887](#)

mRNA Refseq [NM_001244713.1](#)

Protein Refseq [NP_001231642.1](#)

MIM [600062](#)

UniProt ID [P54727](#)

**SDS-PAGE of
RAD23B-84H**



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