

# 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 *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. 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](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

<b>AA Sequence</b>	<p>NQVTLKTLQQQTFKIDIDPEETVKALKEKIESEK GKDAFPVAGQKLIYAGKILNDDTAL          KEYKIDEKNFVVVMNVTKPKAVSTPAPATTQQSAPASTTAVTSSTTTTVAQAPTVP          ALAPTSTPASITPASATASSEPPAPASAAKQEKPAEKPAETPVATSPTATDSTSGDSS          RSNLFEDATSALVTGQSYENMVTEIMSMGYEREQVIAALRASFNNDRAVEYLLMGI          PGDRESQAVVDPPQAASTGAPQSSAVAAAAATTTATTTTTSSGGHPLEFLRNQPQF          QQMRQIIQQNPSSLPLALLQQIGRENQLLQQISQHQEHFIQMLNEPVQEAGGQGGG          GGGGSGGIAEAGSGHMNYIQVTPQEKEAIERLKALGFPEGLVIQAYFACEKNENLAA          NFLLQQNFDED</p>
<b>Endotoxin</b>	< 1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	> 90%
<b>Applications</b>	<p>Positive Control; Immunogen; SDS-PAGE; WB.          If bio-activity of the protein is needed, please check active protein.</p>
<b>Notes</b>	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.
<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Concentration</b>	10g/mL
<b>Reconstitution</b>	Reconstitute in ddH <sub>2</sub> O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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



## 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

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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