

# Recombinant Full Length Human RAD23B Protein

**Cat. No.** RAD23B-422HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human hHR23b with N terminal proprietary tag, 70.99 kDa inclusive of tag.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	409 amino acids
<b>Description</b>	<p>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.</p>
<b>Form</b>	Liquid
<b>Molecular Mass</b>	70.990kDa inclusive of tags

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<b>AA Sequence</b>	<p>MQVTLKTLQQQTFKIDIDPEETVKALKEKIESEKGGKDAFP VAGQKLIYAGKILNDDTAL          KEYKIDEKNFVVVMVTKPKAV STPAPATTQQSAPASTTAVTSSTTTTVAQAPTPVPA          LAPT STPASITPASATASSEPPAPASAAKQEKPAPETPVATS PTATDSTSGDSSR          SNLFEDATSALVTGQSYENMVTEIMSM GYEREQVIAALRASFNPDRAVEYLLMGIP          GDRESQAVVD PPQAASTGVPQSSAVAAAAATTTATTTTTSSGGHPLEFLR NQPQF          QQMRQIIQQNPSLLPALLQQIGRENPLLQQISQH QEHFIQMLNEPVQEAGGQGGG          GGGGSGGIAEAGSGHMNYI QVTPQEKEAIERLKLALGFPEGLVIQAYFACEKNENLA          ANF LLQQNFDED</p>
<b>Purity</b>	Proprietary Purification
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
<b>Storage Buffer</b>	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">RAD23B RAD23 homolog B (S. cerevisiae) [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">RAD23B</a>
<b>Synonyms</b>	RAD23B; RAD23 homolog B (S. cerevisiae); RAD23 (S. cerevisiae) homolog B; UV excision repair protein RAD23 homolog B; HHR23B; HR23B; P58; XP C repair complementing complex 58 kDa; XP C repair complementing protein
<b>Gene ID</b>	<a href="#">5887</a>
<b>mRNA Refseq</b>	<a href="#">NM_001244713</a>
<b>Protein Refseq</b>	<a href="#">NP_001231642</a>



<b>MIM</b>	600062
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<b>UniProt ID</b>	P54727
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