Recombinant Full Length Human RAD23B Protein

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

SPECIFICATION

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

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AA Sequence	MQVTLKTLQQQTFKIDIDPEETVKALKEKIESEKGKDAFP VAGQKLIYAGKILNDDTAL KEYKIDEKNFVVVMVTKPKAV STPAPATTQQSAPASTTAVTSSTTTTVAQAPTPVPA LAPT STPASITPASATASSEPAPASAAKQEKPAEKPAETPVATS PTATDSTSGDSSR SNLFEDATSALVTGQSYENMVTEIMSM GYEREQVIAALRASFNNPDRAVEYLLMGIP GDRESQAVVD PPQAASTGVPQSSAVAAAAATTTATTTTTSSGGHPLEFLR NQPQF QQMRQIIQQNPSLLPALLQQIGRENPQLLQQISQH QEHFIQMLNEPVQEAGGQGGG GGGGSGGIAEAGSGHMNYI QVTPQEKEAIERLKALGFPEGLVIQAYFACEKNENLA ANF LLQQNFDED
Purity	Proprietary Purification
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
Storage Buffer	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name	RAD23B RAD23 homolog B (S. cerevisiae) [Homo sapiens]
Official Symbol	RAD23B
Synonyms	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
Gene ID	5887
mRNA Refseq	NM_001244713
Protein Refseq	NP_001231642

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MIM	600062
UniProt ID	P54727

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