Recombinant Full Length Human RAD23B Protein, C-Flag-tagged

Cat. No. RAD23B-1655HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human RAD23B Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	43 kDa
AA Sequence	MQVTLKTLQQQTFKIDIDPEETVKALKEKIESEKGKDAFPVAGQKLIYAGKILNDDTAL

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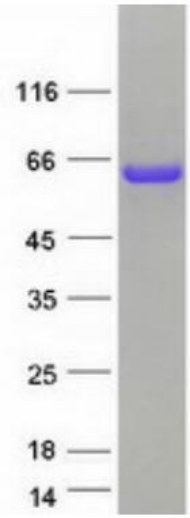
	KEYKIDEKNFV VVMVTKPKAVSTPAPATTQQSAPASTTAVTSSTTTTVAQAPTPVPA LAPTSTPASITPASATASSEPAPA SAAKQEKPAEKPAETPVATSPTATDSTSGDSSR SNLFEDATSALVTGQSYENMVTEIMSMGYEREQVIAA LRASFNNPDRAVEYLLMGIP GDRESQAVVDPPQAASTGVPQSSAVAAAAATTTATTTTTSSGGHPLEFLR NQPQF QQMRQIIQQNPSLLPALLQQIGRENPQLLQQISQHQEHFIQMLNEPVQEAGGQGGG GGGGSGGIA EAGSGHMNYIQVTPQEKEAIERLKALGFPEGLVIQAYFACEKNENLAANFLLQQNFD EDTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Nucleotide excision repair
Full Length	Full L.

GENE INFORMATION

Gene Name	RAD23B RAD23 homolog B, nucleotide excision repair protein [Homo sapiens (human)]

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Official Symbol	RAD23B
Synonyms	P58; HR23B; HHR23B
Gene ID	5887
mRNA Refseq	NM_002874.5
Protein Refseq	NP_002865.1
MIM	600062
UniProt ID	P54727



Coomassie blue staining of purified RAD23B protein.

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