

Recombinant Human RAD23B Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RAD23B-5185H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RAD23B MS Standard C13 and N15-labeled recombinant protein (NP_002865) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	43.2 kDa
AA Sequence	MQVTLKTLQQQTFKIDIDPEETVKALKEKIESEKGDAPFVAGQKLIYAGKILNDDTAL KEYKIDEKNFVVVMVTKPKAVSTPAPATTQQSAPASTTAVTSSTTTTVAQAPTPVPA

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LAPTSTPASITPASATASSEPPAPASAAKQEKPAEKPAETPVATSPTATDSTSGDSSR
 SNLFEDATSALVTGQSYENMVTEIMSMGYEREQVIAALRASFNNDRAVEYLLMGIP
 GDRESQAVVDPQAASTGVPQSSAVAAAAATTTATTTTTSSGGHPLEFLRNQPQFQ
 QMRQIIQQNPSLLPALLQQIGRENPLLQQISQHQEHFIQMLNEPVQEAGGQGGGG
 GGGSGGIAEAGSGHMNYIQVTPQEKEAIERLKALGFPEGLVIQAYFACEKNENLAAN
 FLLQQNFDEDTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

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; RAD23, yeast homolog of, B; XP-C repair complementing protein; XP-C repair complementing complex 58 kDa; XP-C repair-complementing complex 58 kDa protein;

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Gene ID	5887
mRNA Refseq	NM_002874
Protein Refseq	NP_002865
MIM	600062
UniProt ID	P54727
SDS-PAGE	