

## Product datasheet for **TP302185L**

### **hHR23b (RAD23B) (NM\_002874) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Homo sapiens RAD23 homolog B ( <i>S. cerevisiae</i> ) (RAD23B), 1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC202185 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MQVTLKTLQQQTFKIDIDPEETVKALKEKIESEKGDAFPVAGQKLIYAGKILNDDTALKEYKIDKKNFV VVMVTKPKAVSTPAPATTQQSAPASTTAVTSSTTTTVAQAPTPVPALAPTSTPASITPASATASSEPAPA SAAKQEKPAEKPAETPVATSPTATDSTSGDSSRNLFEFATSALVTGQSYENMVTEIMSMGYEREQVIAA LRASFNNPDRAVEYLLMGIPGDRESQAVDPPQAASTGVPQSSAVAAAAATTTATTTTTSSGGHPLEFLR NQPFQQMRQIIQQNPSLLPALLQQIGRENPLLQQISQHQEHFIQMLNEPVQEAGGQGGGGGGSSGGIA EAGSGHMNYIQVTPQEKEAIERLKALGFPEGLVIQAYFACEKNENLAANFLLQQNFDED  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	43 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_002865</a>
<b>Locus ID:</b>	5887



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UniProt ID: [P54727](#)

RefSeq Size: 4167

Cytogenetics: 9q31.2

RefSeq ORF: 1227

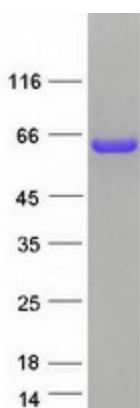
Synonyms: HHR23B; HR23B; P58

**Summary:** 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. [provided by RefSeq, Sep 2011]

**Protein Families:** Druggable Genome

**Protein Pathways:** Nucleotide excision repair

### Product images:



Coomassie blue staining of purified RAD23B protein (Cat# [TP302185]). The protein was produced from HEK293T cells transfected with RAD23B cDNA clone (Cat# [RC202185]) using MegaTran 2.0 (Cat# [TT210002]).