

Product datasheet for **RC233950**

hHR23b (RAD23B) (NM_001244713) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: hHR23b (RAD23B) (NM_001244713) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: hHR23b
Synonyms: HHR23B; HR23B; P58
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC233950 representing NM_001244713
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTGAAAGCACTGAAAGAGAAGATTGAATCTGAAAAGGGGAAAGATGCCTTTCCAGTAGCAGGTCAA
 AATTAATTTATGCAGGCAAAATCCTCAATGATGATACTGCTCTCAAAGAATATAAAATTGATGAGAAAA
 CTTTGTGGTGGTTATGGTGACCAAACCCAAAGCAGTGTCCACACCAGCACCAGCTACAACCTAGCAGTCA
 GCTCCTGCCAGCACTACAGCAGTTACTTCTCCACCACCAACTGTGGCTCAGGCTCCAACCCCTGTCC
 CTGCTTGGCCCCACTCCACACCTGCATCCATCACTCCAGCATCAGCGACAGCATCTTCTGAACCTGC
 ACCTGCTAGTGCAGCTAAACAAGAGAAGCCTGCAGAAAAGCCAGCAGAGACACCAGTGGCTACTAGCCCA
 ACAGCAACTGACAGTACATCGGGTGATTCTTCTCGGTCAAACCTTTTTGAAGATGCAACGAGTGCCTTG
 TGACGGGTGAGTCTTACGAGAATATGGTAACTGAGATCATGTCAATGGGCTATGAACGAGAGCAAGTAAT
 TGCAGCCCTGAGAGCCAGTTTCAACAACCTGACAGAGCAGTGGAGTATCTTTAATGGGAATCCCTGGA
 GATAGAGAAAGTCAGGCTGTGGTTGACCCCTCAAGCAGCTAGTACTGGGGCTCCTCAGTCTTCAGCAG
 TGGCTGCAGCTGCAGCAACTACGACAGCAACAACAACAAGTTCTGGAGGACATCCCTTGAATT
 TTTACGGAATCAGCCTCAGTTTCAACAGATGAGACAAATTTTTCAGCAGAATCCTTCTTGTCCAGCG
 TACTACAGCAGATAGGTCGAGAGAATCCTCAATTACTTCAGCAAATTAGCCAACACCAGGAGCATTTTA
 TTCAGATGTTAAATGAACCAAGTTCAAGAAGCTGGTGGTCAAGGAGGAGGAGGTGGAGGTGGCAGTGGAGG
 AATTGCAGAAGCTGGAAGTGGTCATATGAACTACATTCAAGTAACACCTCAGAAAAAGAAGCTATAGAA
 AGGTTAAAGGCATTAGGATTTCTGAAGGACTGTGATACAAGCGTATTTTGCTTGTGAGAAGAATGAGA
 ATTTGGCTGCCAATTTCTTCTACAGCAGAACTTTGATGAAGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001244713.1](#), [NP_001231642.1](#)

RefSeq Size: 3852 bp

RefSeq ORF: 1167 bp

Locus ID: 5887

Cytogenetics: 9q31.2

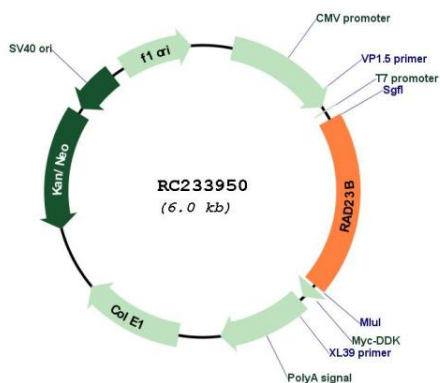
Protein Families: Druggable Genome

Protein Pathways: Nucleotide excision repair

MW: 41.2 kDa

Gene 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]

Product images:



Circular map for RC233950