

Product datasheet for **RC222684**

hHR23A (RAD23A) (NM_005053) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: hHR23A (RAD23A) (NM_005053) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: hHR23A
Synonyms: HHR23A; HR23A
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC222684 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCCGTACCATCACGCTCAAACGCTGCAGCAGCAGACCTTCAAGATCCGCATGGAGCCTGACGAGA
CGGTGAAGGTGCTAAAGGAGAAGATAGAAGCTGAGAAGGGTCGTGATGCCTTCCCGTGGCTGGACAGAA
ACTCATCTATGCCGGCAAGATCTTGAGTGACGATGTCCCTATCAGGGACTATCGCATCGATGAGAAGAAC
TTTGTGGTCGTCATGGTGACCAAGACAAAGCCGGCCAGGGTACCTCAGCACCCAGAGGCCTCACCCA
CAGCTGCCCCAGAGTCTCTACATCCTTCCCGCCTGCCCCACCTCAGGCATGTCCATCCCCACCTGC
CGCCAGAGAGGACAAGAGCCCATCAGAGGAATCCGCCCCCGCAGCTCCCGAGAGTGTGTGAGGCTCT
GTTCCCTCTTCAGGTAGCAGCGGGCGAGAGGAAGACGCGGCCCTCCACGCTAGTGACGGGCTCTGAGTATG
AGACGATGCTGACGGAGATCATGTCCATGGGCTATGAGCGAGAGCGGGTCGTGGCCGCCCTGAGAGCCAG
CTACAACAACCCACCAGCCGTGGAGTATCTGCTCACGGGAATTCCTGGGAGCCCGAGCCGGAACAC
GGTTCTGTCCAGGAGAGCCAGGTATCGGAGCAGCCGCCACGGAAGCAGGAGAGAACCCCTGGAGTTCC
TGCGGGACCAGCCCAGTCCAGAACATGCGGCAGGTGATTCAGCAGAACCCTGCGCTGTGCCCGCCCT
GCTCCAGCAGCTGGGCCAGGAGAACCCTCAGCTTTTACAGCAAATCAGCCGGCACCAGGAGCAGTTTCATC
CAGATGCTGAACGAGCCCTGGGGAGCTGGCGGACATCTCAGATGTGGAGGGGGAGGTGGGCCCATAG
GAGAGGAGGCCCCCGCAGATGAACTACATCCAGGTGACGCCGAGGAGAAAAGAAGCTATAGAGAGGTTGAA
GGCCCTGGGCTTCCAGAGAGCCTGGTATCCAGGCCTATTTTCGCGTGTGAAAAAATGAGAACTTGCT
GCCAACTCTCTGAGTCAGAACTTTGATGACGAG

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_005053.4](#)

RefSeq Size: 1821 bp

RefSeq ORF: 1092 bp

Locus ID: 5886

UniProt ID: [P54725](#)

Cytogenetics: 19p13.13

Domains: UBA, UBQ, STI1

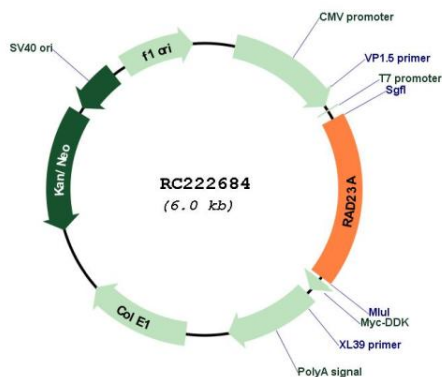
Protein Families: Druggable Genome

Protein Pathways: Nucleotide excision repair

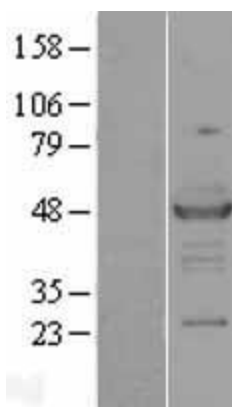
MW: 39.5 kDa

Gene Summary: The protein encoded by this gene is one of two human homologs of *Saccharomyces cerevisiae* Rad23, a protein involved in nucleotide excision repair. Proteins in this family have a modular domain structure consisting of an ubiquitin-like domain (UbL), ubiquitin-associated domain 1 (UbA1), XPC-binding domain and UbA2. The protein encoded by this gene plays an important role in nucleotide excision repair and also in delivery of polyubiquitinated proteins to the proteasome. Alternative splicing results in multiple transcript variants encoding multiple isoforms. [provided by RefSeq, Jun 2012]

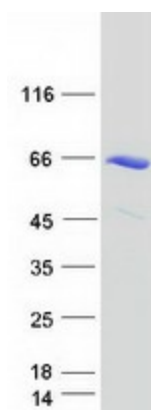
Product images:



Circular map for RC222684



Western blot validation of overexpression lysate (Cat# [LY417539]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC222684 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified RAD23A protein (Cat# [TP322684]). The protein was produced from HEK293T cells transfected with RAD23A cDNA clone (Cat# RC222684) using MegaTran 2.0 (Cat# [TT210002]).