

Product datasheet for PH302185

hHR23b (RAD23B) (NM_002874) Human Mass Spec Standard

Product data:

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|---------------------------------------|--|
| Product Type: | Mass Spec Standards |
| Description: | RAD23B MS Standard C13 and N15-labeled recombinant protein (NP_002865) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC202185 |
| Predicted MW: | 43.2 kDa |
| Protein Sequence: | >RC202185 protein sequence Red=Cloning site Green=Tags(s) |

MQVTLKTLQQQTFKIDIDPEETVKALKEKIESEKGDAPFPVAGQKLIYAGKILNDDTALKEYKIDKKNFV
VVMVTKPKAVSTPAPATTQQSAPASTTAVTSSSTTTVAQAPTPVPALAPTSTPASITPASATASSEPPAPA
SAAKQEKPAEKPAETPVATSPATDSTSGDSSRSNLFEDATSALVTGQSYENMVTEIMSMGYEREQVIAA
LRASFNNPDRAVEYLLMGIPGDRESQAVDPPQAASTGVPQSSAVAAAAATTTATTTTTSSGGHPLEFLR
NQPQFQQMRQIIQQNPSLLPALLQQIGRENPLLQQISQHQEHFIQMLNEPVQEAGGGGGGGGGSGGIA
EAGSGHMNYIQVTPQEKEAIERLKALGFPEGLVIQAYFACEKNENLAANFLLQQNFDED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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|------------------|--|
| Tag: | C-Myc/DDK |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Labeling Method: | Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3 |
| Storage: | Store at -80°C. Avoid repeated freeze-thaw cycles. |
| Stability: | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| RefSeq: | <u>NP_002865</u> |
| RefSeq Size: | 4167 |
| RefSeq ORF: | 1227 |
| Synonyms: | HHR23B; HR23B; P58 |
| Locus ID: | 5887 |



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UniProt ID: [P54727](#)

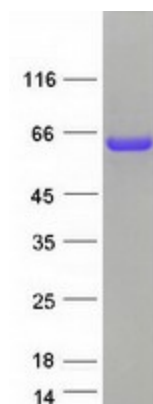
Cytogenetics: 9q31.2

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]).