

## Human RAD23A Knockdown Cell Lysate

**Cat. No.** RAD23A-415HKCL    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | WB-validated RAD23A Knockdown HeLa Cell Lysate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | HeLa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | <p>The protein encoded by this gene is one of two human homologs of <i>Saccharomyces cerevisiae</i> 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.</p> |
| <b>Form</b>             | Cell-Tissue Lysis buffer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Molecular Mass</b>   | 40 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Notes</b>            | <p>Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.</p>                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>          | Store at -20 centigrade for two years.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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|                         |                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Concentration</b>    | Lot-specific                                                                                                                                                                                      |
| <b>Shipping</b>         | Blue Ice                                                                                                                                                                                          |
| <b>Components</b>       | 1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg RAD23A KD HeLa cell lysate                                                                                                                  |
| <b>Protein Families</b> | Druggable Genome                                                                                                                                                                                  |
| <b>Protein Pathways</b> | Nucleotide excision repair                                                                                                                                                                        |
| <b>Lysate QC</b>        | RT-qPCR; Western Blotting (WB)                                                                                                                                                                    |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                   |
| <b>Gene Name</b>        | RAD23A RAD23 homolog A (S. cerevisiae) [ Homo sapiens (human) ]                                                                                                                                   |
| <b>Official Symbol</b>  | RAD23A                                                                                                                                                                                            |
| <b>Synonyms</b>         | RAD23A; RAD23 homolog A (S. cerevisiae); RAD23 (S. cerevisiae) homolog A; UV excision repair protein RAD23 homolog A; HHR23A; MGC111083; RAD23; yeast homolog; A; HR23A; RAD23, yeast homolog, A; |
| <b>Gene ID</b>          | 5886                                                                                                                                                                                              |
| <b>mRNA Refseq</b>      | NM_005053                                                                                                                                                                                         |
| <b>Protein Refseq</b>   | NP_005044                                                                                                                                                                                         |
| <b>MIM</b>              | 600061                                                                                                                                                                                            |
| <b>UniProt ID</b>       | P54725                                                                                                                                                                                            |

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