

## Human BRMS1 Knockdown Cell Lysate

**Cat. No.** BRMS1-075HKCL    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | WB-validated BRMS1 Knockdown HeLa Cell Lysate                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | HeLa                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | This gene reduces the metastatic potential, but not the tumorigenicity, of human breast cancer and melanoma cell lines. The protein encoded by this gene localizes primarily to the nucleus and is a component of the mSin3a family of histone deacetylase complexes (HDAC). The protein contains two coiled-coil motifs and several imperfect leucine zipper motifs. Alternative splicing results in two transcript variants encoding different isoforms. |
| <b>Form</b>             | Cell-Tissue Lysis buffer                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>   | 28 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Notes</b>            | 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.                                                                                                                                                                           |
| <b>Storage</b>          | Store at -20 centigrade for two years.                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Concentration</b>    | Lot-specific                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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|-------------------------|---------------------------------------------------------------------------------|
| <b>Shipping</b>         | Blue Ice                                                                        |
| <b>Components</b>       | 1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg BRMS1 KD HeLa cell lysate |
| <b>Protein Families</b> | Druggable Genome                                                                |
| <b>Lysate QC</b>        | RT-qPCR; Western Blotting (WB)                                                  |

## GENE INFORMATION

|                        |                                                                                                                  |
|------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | BRMS1 breast cancer metastasis suppressor 1 [ Homo sapiens (human) ]                                             |
| <b>Official Symbol</b> | BRMS1                                                                                                            |
| <b>Synonyms</b>        | BRMS1; breast cancer metastasis suppressor 1; breast cancer metastasis-suppressor 1; DKFZP564A063; DKFZp564A063; |
| <b>Gene ID</b>         | 25855                                                                                                            |
| <b>mRNA Refseq</b>     | NM_001024957                                                                                                     |
| <b>Protein Refseq</b>  | NP_001020128                                                                                                     |
| <b>MIM</b>             | 606259                                                                                                           |
| <b>UniProt ID</b>      | Q9HCU9                                                                                                           |

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