

# Human BAG1 Knockdown Cell Lysate

**Cat. No.** BAG1-065HKCL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | WB-validated BAG1 Knockdown HeLa Cell Lysate   |
| <b>Species</b>          | Human  |
| <b>Source</b>           | HeLa   |
| <b>Description</b>      | The oncogene BCL2 is a membrane protein that blocks a step in a pathway leading to apoptosis or programmed cell death. The protein encoded by this gene binds to BCL2 and is referred to as BCL2-associated athanogene. It enhances the anti-apoptotic effects of BCL2 and represents a link between growth factor receptors and anti-apoptotic mechanisms. Multiple protein isoforms are encoded by this mRNA through the use of a non-AUG (CUG) initiation codon, and three alternative downstream AUG initiation codons. A related pseudogene has been defined on chromosome X. |
| <b>Form</b>             | Cell-Tissue Lysis buffer   |
| <b>Molecular Mass</b>   | 39 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.   |

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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 BAG1 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>       | BAG1 BCL2-associated athanogene [ Homo sapiens (human) ]  |
| <b>Official Symbol</b> | BAG1  |
| <b>Synonyms</b>        | BAG1; BCL2-associated athanogene; BAG family molecular chaperone regulator 1; BAG-1; Bcl-2-binding protein; receptor-associated protein, 46-KD; Bcl-2 associating athanogene-1 protein; glucocortoid receptor-associated protein RAP46; HAP; RAP46; |
| <b>Gene ID</b>         | 573   |
| <b>mRNA Refseq</b>     | NM_001172415  |
| <b>Protein Refseq</b>  | NP_001165886  |
| <b>MIM</b>             | 601497  |
| <b>UniProt ID</b>      | Q99933  |

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