

## Human BCL2 Knockdown Cell Lysate

**Cat. No.** BCL2-327HKCL    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | WB-validated BCL2 Knockdown HeLa Cell Lysate                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | HeLa                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | This gene encodes an integral outer mitochondrial membrane protein that blocks the apoptotic death of some cells such as lymphocytes. Constitutive expression of BCL2, such as in the case of translocation of BCL2 to Ig heavy chain locus, is thought to be the cause of follicular lymphoma. Alternative splicing results in multiple transcript variants. |
| <b>Form</b>             | Cell-Tissue Lysis buffer                                                                                                                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | 26 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 BCL2 KD HeLa cell lysate                                                                                                 |
| <b>Protein Families</b> | Druggable Genome, ES Cell Differentiation/IPS, Stem cell - Pluripotency, Transmembrane                                                                                         |
| <b>Protein Pathways</b> | Amyotrophic lateral sclerosis (ALS), Apoptosis, Colorectal cancer, Focal adhesion, Neurotrophin signaling pathway, Pathways in cancer, Prostate cancer, Small cell lung cancer |
| <b>Lysate QC</b>        | RT-qPCR; Western Blotting (WB)                                                                                                                                                 |

## GENE INFORMATION

|                        |                                                                                                                                                                            |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | BCL2 B-cell CLL/lymphoma 2 [ Homo sapiens (human) ]                                                                                                                        |
| <b>Official Symbol</b> | BCL2                                                                                                                                                                       |
| <b>Synonyms</b>        | BCL2; B-cell CLL/lymphoma 2; apoptosis regulator Bcl-2; Bcl 2; PPP1R50; protein phosphatase 1; regulatory subunit 50; protein phosphatase 1, regulatory subunit 50; Bcl-2; |
| <b>Gene ID</b>         | 596                                                                                                                                                                        |
| <b>mRNA Refseq</b>     | NM_000633                                                                                                                                                                  |
| <b>Protein Refseq</b>  | NP_000624                                                                                                                                                                  |
| <b>MIM</b>             | 151430                                                                                                                                                                     |

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**UniProt ID**

P10415

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