

## Human MAP1LC3A Knockdown Cell Lysate

**Cat. No.** MAP1LC3A-232HKCL    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | WB-validated MAP1LC3A Knockdown HeLa Cell Lysate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | HeLa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | MAP1A and MAP1B are microtubule-associated proteins which mediate the physical interactions between microtubules and components of the cytoskeleton. MAP1A and MAP1B each consist of a heavy chain subunit and multiple light chain subunits. The protein encoded by this gene is one of the light chain subunits and can associate with either MAP1A or MAP1B. Two transcript variants encoding different isoforms have been found for this gene. The expression of variant 1 is suppressed in many tumor cell lines, suggesting that may be involved in carcinogenesis. |
| <b>Form</b>             | Cell-Tissue Lysis buffer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Molecular Mass</b>   | 14 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 MAP1LC3A KD HeLa cell lysate |
| <b>Lysate QC</b>     | RT-qPCR; Western Blotting (WB)                                                     |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | MAP1LC3A microtubule associated protein 1 light chain 3 alpha [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                                                                              |
| <b>Official Symbol</b> | MAP1LC3A                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Synonyms</b>        | MAP1LC3A; microtubule associated protein 1 light chain 3 alpha; LC3; LC3A; ATG8E; MAP1ALC3; MAP1BLC3; microtubule-associated protein 1 light chain 3 alpha; MAP1 light chain 3-like protein 1; MAP1A/1B light chain 3 A; MAP1A/MAP1B LC3 A; MAP1A/MAP1B light chain 3 A; autophagy-related ubiquitin-like modifier LC3 A; microtubule-associated proteins 1A/1B light chain 3; microtubule-associated proteins 1A/1B light chain 3A |
| <b>Gene ID</b>         | 84557                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>     | NM_032514                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>  | NP_115903                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>MIM</b>             | 601242                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID</b>      | Q9H492                                                                                                                                                                                                                                                                                                                                                                                                                              |

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