

## Human EMD Knockdown Cell Lysate

**Cat. No.** EMD-156HKCL    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | WB-validated EMD Knockdown HeLa Cell Lysate                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | HeLa                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | Emerin is a serine-rich nuclear membrane protein and a member of the nuclear lamina-associated protein family. It mediates membrane anchorage to the cytoskeleton. Dreifuss-Emery muscular dystrophy is an X-linked inherited degenerative myopathy resulting from mutation in the emerin gene. |
| <b>Form</b>             | Cell-Tissue Lysis buffer                                                                                                                                                                                                                                                                        |
| <b>Molecular Mass</b>   | 29 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                                                                                                                                                                                                                                                                                    |
| <b>Shipping</b>         | Blue Ice                                                                                                                                                                                                                                                                                        |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|-------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Components</b>       | 1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg EMD KD HeLa cell lysate                                     |
| <b>Protein Families</b> | Druggable Genome, Transmembrane                                                                                   |
| <b>Protein Pathways</b> | Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM) |
| <b>Lysate QC</b>        | RT-qPCR; Western Blotting (WB)                                                                                    |

## GENE INFORMATION

|                        |                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | EMD emerin [ Homo sapiens (human) ]                                                        |
| <b>Official Symbol</b> | EMD                                                                                        |
| <b>Synonyms</b>        | EMD; emerin; Emery Dreifuss muscular dystrophy; LEM domain containing 5; LEMD5; STA; EDMD; |
| <b>Gene ID</b>         | 2010                                                                                       |
| <b>mRNA Refseq</b>     | NM_000117                                                                                  |
| <b>Protein Refseq</b>  | NP_000108                                                                                  |
| <b>MIM</b>             | 300384                                                                                     |
| <b>UniProt ID</b>      | P50402                                                                                     |

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