

Human MATR3 Knockdown Cell Lysate

Cat. No. MATR3-371HKCL **Lot. No.** (See product label)

SPECIFICATION

| | |
|-------------------------|---|
| Product Overview | WB-validated MATR3 Knockdown HeLa Cell Lysate |
| Species | Human |
| Source | HeLa |
| Description | This gene encodes a nuclear matrix protein, which is proposed to stabilize certain messenger RNA species. Mutations of this gene are associated with distal myopathy 2, which often includes vocal cord and pharyngeal weakness. Alternatively spliced transcript variants, including read-through transcripts composed of the upstream small nucleolar RNA host gene 4 (non-protein coding) and matrin 3 gene sequence, have been identified. Pseudogenes of this gene are located on chromosomes 1 and X. |
| Form | Cell-Tissue Lysis buffer |
| Molecular Mass | 95 kDa |
| Notes | 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. |
| Storage | Store at -20 centigrade for two years. |
| Concentration | Lot-specific |

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|-------------------|---|
| Shipping | Blue Ice |
| Components | 1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg MATR3 KD HeLa cell lysate |
| Lysate QC | RT-qPCR; Western Blotting (WB) |

GENE INFORMATION

| | |
|------------------------|--|
| Gene Name | MATR3 matrin 3 [Homo sapiens (human)] |
| Official Symbol | MATR3 |
| Synonyms | MATR3; matrin 3; MPD2, myopathy, distal 2; matrin-3; KIAA0723; MGC9105; VCPDM; vocal cord and pharyngeal weakness with distal myopathy; MPD2; DKFZp686K0542; DKFZp686K23100; |
| Gene ID | 9782 |
| mRNA Refseq | NM_199189 |
| Protein Refseq | NP_954659 |
| MIM | 164015 |
| UniProt ID | P43243 |

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