

# Human CHD3 Knockdown Cell Lysate

**Cat. No.** CHD3-108HKCL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | WB-validated CHD3 Knockdown HeLa Cell Lysate  |
| <b>Species</b>          | Human   |
| <b>Source</b>           | HeLa  |
| <b>Description</b>      | <p>This gene encodes a member of the CHD family of proteins which are characterized by the presence of chromo (chromatin organization modifier) domains and SNF2-related helicase/ATPase domains. This protein is one of the components of a histone deacetylase complex referred to as the Mi-2/NuRD complex which participates in the remodeling of chromatin by deacetylating histones. Chromatin remodeling is essential for many processes including transcription. Autoantibodies against this protein are found in a subset of patients with dermatomyositis. Three alternatively spliced transcripts encoding different isoforms have been described.</p> |
| <b>Form</b>             | Cell-Tissue Lysis buffer  |
| <b>Molecular Mass</b>   | 226 kDa   |
| <b>Notes</b>            | <p>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.</p>   |
| <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 CHD3 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>       | CHD3 chromodomain helicase DNA binding protein 3 [ Homo sapiens (human) ]  |
| <b>Official Symbol</b> | CHD3   |
| <b>Synonyms</b>        | CHD3; chromodomain helicase DNA binding protein 3; chromodomain-helicase-DNA-binding protein 3; Mi 2a; Mi2 ALPHA; ZFH; hZFH; CHD-3; zinc finger helicase; ATP-dependent helicase CHD3; mi-2 autoantigen 240 kDa protein; zinc-finger helicase (Snf2-like); Mi-2a; Mi2-ALPHA; |
| <b>Gene ID</b>         | 1107   |
| <b>mRNA Refseq</b>     | NM_001005271   |
| <b>Protein Refseq</b>  | NP_001005271   |
| <b>MIM</b>             | 602120   |
| <b>UniProt ID</b>      | Q12873   |

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