

# Human TRIM24 Knockdown Cell Lysate

**Cat. No.** TRIM24-456HKCL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| <b>Product Overview</b> | WB-validated TRIM24 Knockdown HeLa Cell Lysate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | HeLa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | The protein encoded by this gene mediates transcriptional control by interaction with the activation function 2 (AF2) region of several nuclear receptors, including the estrogen, retinoic acid, and vitamin D3 receptors. The protein localizes to nuclear bodies and is thought to associate with chromatin and heterochromatin-associated factors. The protein is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains - a RING, a B-box type 1 and a B-box type 2 - and a coiled-coil region. Two alternatively spliced transcript variants encoding different isoforms have been described for this gene. |
| <b>Form</b>             | Cell-Tissue Lysis buffer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | 117 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 TRIM24 KD HeLa cell lysate |
| <b>Protein Families</b> | Druggable Genome, Protein Kinase, Transcription Factors                          |
| <b>Lysate QC</b>        | RT-qPCR; Western Blotting (WB)                                                   |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | TRIM24 tripartite motif containing 24 [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                                          |
| <b>Official Symbol</b> | TRIM24                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Synonyms</b>        | TRIM24; tripartite motif containing 24; TIF1, transcriptional intermediary factor 1, tripartite motif containing 24; transcription intermediary factor 1-alpha; hTIF1; RNF82; TIF1A; Tif1a; TIF1-alpha; RING finger protein 82; tripartite motif-containing 24; E3 ubiquitin-protein ligase TRIM24; transcriptional intermediary factor 1; PTC6; TF1A; TIF1; TIF1ALPHA; |
| <b>Gene ID</b>         | 8805                                                                                                                                                                                                                                                                                                                                                                    |
| <b>mRNA Refseq</b>     | NM_003852                                                                                                                                                                                                                                                                                                                                                               |
| <b>Protein Refseq</b>  | NP_003843                                                                                                                                                                                                                                                                                                                                                               |
| <b>MIM</b>             | 603406                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID</b>      | O15164                                                                                                                                                                                                                                                                                                                                                                  |

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