

## Human DGCR8 Knockdown Cell Lysate

**Cat. No.** DGCR8-337HKCL    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| <b>Product Overview</b> | WB-validated DGCR8 Knockdown HeLa Cell Lysate                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | HeLa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | <p>This gene encodes a subunit of the microprocessor complex which mediates the biogenesis of microRNAs from the primary microRNA transcript. The encoded protein is a double-stranded RNA binding protein that functions as the non-catalytic subunit of the microprocessor complex. This protein is required for binding the double-stranded RNA substrate and facilitates cleavage of the RNA by the ribonuclease III protein, Drosha. Alternate splicing results in multiple transcript variants.</p> |
| <b>Form</b>             | Cell-Tissue Lysis buffer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Molecular Mass</b>   | 86 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Concentration</b>    | Lot-specific                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b>         | Blue Ice                                                                                                                                                                                                 |
| <b>Components</b>       | 1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg DGCR8 KD HeLa cell lysate                                                                                                                          |
| <b>Lysate QC</b>        | RT-qPCR; Western Blotting (WB)                                                                                                                                                                           |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                          |
| <b>Gene Name</b>        | DGCR8 DiGeorge syndrome critical region gene 8 [ Homo sapiens (human) ]                                                                                                                                  |
| <b>Official Symbol</b>  | DGCR8                                                                                                                                                                                                    |
| <b>Synonyms</b>         | DGCR8; DiGeorge syndrome critical region gene 8; C22orf12, chromosome 22 open reading frame 12; microprocessor complex subunit DGCR8; DGCRK6; Gy1; pasha; DiGeorge syndrome critical region 8; C22orf12; |
| <b>Gene ID</b>          | 54487                                                                                                                                                                                                    |
| <b>mRNA Refseq</b>      | NM_001190326                                                                                                                                                                                             |
| <b>Protein Refseq</b>   | NP_001177255                                                                                                                                                                                             |
| <b>MIM</b>              | 609030                                                                                                                                                                                                   |
| <b>UniProt ID</b>       | Q8WYQ5                                                                                                                                                                                                   |

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