

## Human DSTN Knockdown Cell Lysate

**Cat. No.** DSTN-470HKCL    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | WB-validated DSTN Knockdown HeLa Cell Lysate                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | HeLa                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | The product of this gene belongs to the actin-binding proteins ADF family. This family of proteins is responsible for enhancing the turnover rate of actin in vivo. This gene encodes the actin depolymerizing protein that severs actin filaments (F-actin) and binds to actin monomers (G-actin). Two transcript variants encoding distinct isoforms have been identified for this gene. |
| <b>Form</b>             | Cell-Tissue Lysis buffer                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>   | 19 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                                                                                                                                                                                                                                                                                                                                                                               |

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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 DSTN KD HeLa cell lysate                                                                                             |
| <b>Lysate QC</b>        | RT-qPCR; Western Blotting (WB)                                                                                                                                             |
| <b>GENE INFORMATION</b> |                                                                                                                                                                            |
| <b>Gene Name</b>        | DSTN destrin (actin depolymerizing factor) [ Homo sapiens (human) ]                                                                                                        |
| <b>Official Symbol</b>  | DSTN                                                                                                                                                                       |
| <b>Synonyms</b>         | DSTN; destrin (actin depolymerizing factor); destrin; ACTDP; ADF; actin-depolymerizing factor; bA462D18.2 (destrin (actin depolymerizing factor ADF) (ACTDP)); bA462D18.2; |
| <b>Gene ID</b>          | 11034                                                                                                                                                                      |
| <b>mRNA Refseq</b>      | NM_001011546                                                                                                                                                               |
| <b>Protein Refseq</b>   | NP_001011546                                                                                                                                                               |
| <b>MIM</b>              | 609114                                                                                                                                                                     |
| <b>UniProt ID</b>       | P60981                                                                                                                                                                     |

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