

# Recombinant Full Length Human DSTN Protein, GST-tagged

**Cat. No.** DSTN-4056HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human DSTN full-length ORF ( AAH09477.1, 1 a.a. - 165 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 165 amino acids                                                                                                                                                                                                                                                                                                                                                                                                           |
| <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. [provided by RefSeq, Jul 2008] |
| <b>Molecular Mass</b>   | 44.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | MASGVQVADEVCRIFYDMKVRKCSTPEEIKKRKKAVIFCLSADKKCIIVEEGKEILVGD<br>VGVTITDPFKHFVGMLEKDCRYALYDASFETKESRKEELMFFLWAPELAPLKSKMI<br>YASSKDAIKKKFQGIKHECQANGPEDLNRACIAEKLGGSLIVAFEGCPV                                                                                                                                                                                                                                              |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                                                                                                                                                         |

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|-----------------------|--------------------------------------------------------------------------|
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.   |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| <b>Storage Buffer</b> | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

|                        |                                                                                                                                                                            |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | DSTN destrin (actin depolymerizing factor) [ Homo sapiens ]                                                                                                                |
| <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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