

**DSTN, 1-165aa, Human, His tag, E.coli**

**Cat.NO.: TP01927**

3th Edition

**Synonyms:**Destrin (actin depolymerizing factor), ACTDP, ADF, bA462D18.2

**Description:**Destrin (actin depolymerizing factor), also known as DSTN, is a member of the ADF/Cofilin/destrin superfamily that has the ability to rapidly depolymerize F-Actin in a stoichiometric manner. DSTN is a small phosphoinositide-sensitive actin-binding protein capable of depolymerizing actin-filaments in vitro.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT

**Molecular Weight:**19.5 kDa (173aa) confirmed by MALDI-TOF

**Sequences:**

MASGVQVADEVCRIFYDMKVRKCSTPEEIKKRKKAVIFCLSADKKCIIVEEGKEILVGDVGVTTITDPFKHFVGMLEPK  
DCRYALYDASFETKESRKEELMFFLWAPELAPLKSKMIYASSKDAIKKKFQGIKHECQANGPEDLNRACIAEKLGG  
LIVAFEGCPVLEHHHHHH

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.