

Recombinant Human Destrin (actin depolymerizing factor), His-tagged

Cat. No. DSTN-6844H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human DSTN protein, fused to His-tag at C-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-165aa
Description	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 Mass	19.5 kDa (173aa) confirmed by MALDI-TOF
AA Sequence	MASGVQVADE VCRIFYDMKV RKCSTPEEIK KRKKAVIFCL SADKKCIIVE EGKEILVGDV GVTITDPFKH FVGMLPEKDC RYALYDASFE TKESRKEELM FFLWAPELAP LKSKMIYASS KDAIKKKFQG IKHECQANGP EDLNRACIAE KLGGS LIVAF EGCPVLEHHH HHH
Purity	>95% by SDS - PAGE

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Applications	SDS-PAGE
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.
Concentration	0.5 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	DSTN destrin (actin depolymerizing factor) [Homo sapiens]
Official Symbol	DSTN
Synonyms	DSTN; destrin (actin depolymerizing factor); destrin; ACTDP; ADF; actin-depolymerizing factor; bA462D18.2 (destrin (actin depolymerizing factor ADF) (ACTDP)); bA462D18.2;
Gene ID	11034
mRNA Refseq	NM_001011546
Protein Refseq	NP_001011546
MIM	609114
UniProt ID	P60981
Chromosome Location	20p12.1
Function	actin binding;

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