

DSTN recombinant protein

DSTN, 1-165aa, Human, His tag, E Coli

CATALOG # AAA48772	HOST E Coli	APPLICATIONS SDS-Page
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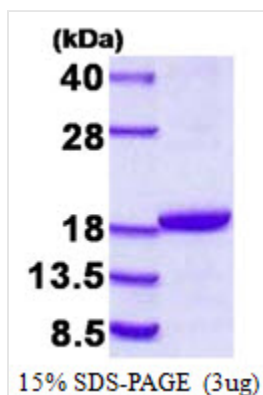
PRODUCT SYNONYMS

DSTN; 1-165aa; Human; His tag; E Coli; Destrin (actin depolymerizing factor); ACTDP; ADF; bA462D18.2; DSTN recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MASGVQVADE VCRIFYDMKV RKCSTPEEIK KRKKAVIFCL SADKKCIIVE EGKEILVGDV GVTITDPFKH FVGMLPEKDC RYALYDASFE TKESRKEELM FFLWAPELAP LKSKMIYASS KDAIKKKFQG IKHECQANGP EDLNRACIAE KLGGSLIVAF EGCPVLEHHH HHH
Sequence Length	165
Applicable Applications for DSTN recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for DSTN recombinant protein	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. It is found in various epithelial and endothelial cells but is practically absent from adult mouse heart and skeletal muscle cells. DSTN shares 71% sequence homology with Cofilin, however the two proteins differ in their interaction with Actin. Recombinant human DSTN protein, fused to His-tag at C-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for DSTN recombinant protein	Actin & Myosin Related
References	Nishida E., et al. (1985) Biochemistry. 24:6624-6630.; Kanamori T., et al. (1995) J Biol Chem. 270: 8061-8067.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5802966
NCBI GeneID	11034
NCBI Accession #	NP_006861
NCBI GenBank Nucleotide #	NM_006870.3
UniProt Accession #	P60981; P18282; Q5W166; Q6IAW2; B2R6N2; B4DYA6
Molecular Weight	19.5 kDa (173aa) confirmed by MALDI-TOF
NCBI Official Full Name	destrin isoform a
NCBI Official Synonym Full Names	destrin, actin depolymerizing factor
NCBI Official Symbol	DSTN
NCBI Official Synonym Symbols	ADF; ACTDP; HEL32; bA462D18.2
NCBI Protein Information	destrin
UniProt Protein Name	Destrin
UniProt Gene Name	DSTN
UniProt Synonym Gene Names	ACTDP; DSN; ADF

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/dstn-recombinant-protein-e-coli-sds-page/48772>