

Product datasheet for **SC319278**

Destrin (DSTN) (NM_006870) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Destrin (DSTN) (NM_006870) Human Untagged Clone
Tag: Tag Free
Symbol: Destrin
Synonyms: ACTDP; ADF; bA462D18.2; HEL32
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_006870.3
 GCGTTCGTCCTGAGGCGCGCCCGGGTAAGCTCGCGCCCGCGTCAGCTCAGC
 GCTGGGTCTCTCGGTCCCGCAGCCGTGAGGAGGACGGTCTGCATACTCGTGCCCGCCG
 CTCCTCCCCCGGTCCCTGCGACCGCCGCGCGAAGATGGCCTCAGGAGTGCAAGTAGC
 TGATGAAGTATGTCGATTTTTTATGACATGAAAGTTCGTAATGCTCCACACAGAAGA
 AATCAAGAAAAGAAAGAAGGCTGTCAATTTTTGTCTCAGTGACAGACAAAAGTGCATCAT
 TGTAGAAGAAGGCAAAGAGATCTTGTTGGAGATGTTGGTGAACCATAACTGATCCTTT
 CAAGCATTTTGTGGGAATGCTTCTGAAAAGATTGTCGCTATGCTTTGTATGATGCAAG
 CTTTGAACAAAAGAATCCAGAAAAGAAGATTGATGTTTTTTTTGTGGCACCAGAACT
 AGCACCTCTGAAAAGTAAATGATCTATGCAAGCTCCAAGGATGCAATTAAGAAAT
 TCAAGGCATAAACATGAATGTCAAGCAATGGACCAGAAGATCTCAATCGGGCTTGAT
 TGCTGAAAAGTTAGGTGGATCCTTAATTGTAGCCTTTGAAGGATGCCCTGTGTAGATTAT
 TCAGTGCCACAAATTGAAAGCTTCCATGTTAATGTTATCCTCTTGCTATATAAATAAAG
 CAAATATATTTAGGCCAGGGTCTCACTGAGGGGAGCTGTCTTGTCTATCTTTAGAGTAA
 ACTATTCTATAACATATGCAAACAGCCCTAAATAAATCTAAAGTCTAAAGTTTTAAAAA
 AAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_006870

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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| OTI Annotation: | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA. |
| Components: | The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water). |
| Reconstitution Method: | <ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C. |
| RefSeq: | <u>NM_006870.3</u> , <u>NP_006861.1</u> |
| RefSeq Size: | 1614 bp |
| RefSeq ORF: | 498 bp |
| Locus ID: | 11034 |
| UniProt ID: | <u>P60981</u> |
| Cytogenetics: | 20p12.1 |
| Domains: | ADF |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript, but encodes the longer isoform (a).</p> |