

Product datasheet for **SC309347**

Dystonin (DST) (NM_183380) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dystonin (DST) (NM_183380) Human Untagged Clone
Tag: Tag Free
Symbol: DST
Synonyms: BP240; BPA; BPAG1; CATX-15; CATX15; D6S1101; DMH; DT; EBSB2; HSN6; MACF2
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_183380, the custom clone sequence may differ by one or more nucleotides

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Restriction Sites:

Please inquire

ACCN:

NM_183380

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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).

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:

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: [NM_183380.1](#), [NP_899236.1](#)

RefSeq Size: 18036 bp

RefSeq ORF: 16494 bp

Locus ID: 667

UniProt ID: [Q03001](#)

Cytogenetics: 6p12.1

Gene Summary:

This gene encodes a member of the plakin protein family of adhesion junction plaque proteins. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene, but the full-length nature of some variants has not been defined. It has been reported that some isoforms are expressed in neural and muscle tissue, anchoring neural intermediate filaments to the actin cytoskeleton, and some isoforms are expressed in epithelial tissue, anchoring keratin-containing intermediate filaments to hemidesmosomes. Consistent with the expression, mice defective for this gene show skin blistering and neurodegeneration. [provided by RefSeq, Mar 2010]

Transcript Variant: This variant (1) contains an alternate exon in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 2. The encoded isoform (1) has a shorter and distinct N-terminus compared to isoform 2.

Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments. This RefSeq is supported by human U31850.1 and mouse AF396878.1, in addition to PubMed ID: 8575775.