

Product datasheet for **SC326170**

DCST1 (NM_001143687) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	DCST1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>SC326170 representing NM_001143687.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGACATTAAACATCATCAGAATGGCACAAGAGGGCAAGAAGAAACAGCCTCATACCACGGTGCAG
AGGCTCCTGACCTGGGGCTGCCAGTCTCTGTAGCTGGTTCTGTGGCGCCAGCCGGGCGAGTTTCT
GTCACTGCTCTCCTGCTGGGGGAGGCGCTGGGGGGCTCCTGGCCATAGGCTTGGGGGCCATGGGCTGG
GGGACCTCCCTCACATCCGCTGTGCCAGCCTCTACTAGTACCCAAGATGCTGGGCAAGGAAGGAGG
CTCTTTGTCTGGGATACGCTTGGCTGCCATCATGTGGGGCCAGTAGCCAATCTGCGACACAATCTC
AACACGTGATCGCATCGCTGGGCTGCACCGTGGAGCTGCAGATCAACAACACCCGCGCAGCTTGGCG
ATCTCCACAGCCCCCTTACGGGCCATGTTCAAGGACCTGCTGAGTAGCAAGAATTGCTGAGAGCAGAG
ACTCGGAACATCTCCGCCACTTTTGAAGACCTGGATGCCAGGTGAATAGTGAGACGGGCTACACGCT
GAGGATACCATGGACTCAGGGAGACAGCCAGGGCAGGGAGGCCGCCAAGCCCCAGCCTCCAGACTC
CACCTGTGACACAGAAGATGTATGAGCTGAAGACCAAGCTGCGTTGCTCTATGTGGTGAACAGGCC
ATACTCAGCTGCCGCTGTTGGTTTACCGCAAGCATGAACAGTGCATGAAGCACATCTGGGTCCCACTC
CTCACCCACCTGCTCTGCTGCCTATGAAGTTCAAGTTCTTCTGTGGCATTGCCAAGGTGATGGAGGTT
TGGTGCCGAATCGCATCCAGTGAAGGCAACTTTGGGCAGACCTACGACTCCCTCAACAGCTTATT
CGTGGCCTGGATGGGAATTTTCAAGCAATATTGACTTCAAGGAAGAGAAGCAGGCTGGGGTGTGGG
CTCAACACAAGCTGGGAGCGCTGAGCACCGAGGTGCGGGACTACGTGTACCGCCAGGAGGCCCGCTG
GAGTGGGCCCTGGGGCTGCTGCACGTGCTGCTCTCTGCACTTTCTGCTGGTCTGCATGCGTCTTTC
TCCTACATGGACAGCTATAACCATGACATTCGTTTGAACAATCTACATCAGTACCTACTTCTGCCAG
ATCGATGACCGCAGGAAGAAGCTGGGCAACGGACTCTGCTGCCACTCCGCAAGCTGAGGAGAAAACC
GTCATCTTCCCTTGAAGCCCAACATCCAGGCCCTCAGAAATGAGCAATGTGGTGAGGGAGCTCCTGGAG
ACACTGCCCATTTCTGCTGCTGCTGGTGGTGTGTGGCTTGGACTGGGCTCTCTACTCCATCTTCGAC
ACCATCCGCCCACTCCTTCTGCACTACTCCTTCCGAGCAGTCATAAATGGAGGTGAAGGTGCGG
GGAGACTCCATGTAGCCCGGCTTCTCGAAAAACATTGGGGCCCTGAACACCTCCTCAGAGACAGTG
ATGGAATCAAAACAACATGCCCTGCCTGCCCGAGCCTGTGGGCTGGATGCCAGGGCCTACTGGAGAGCT
GCAGTACCGATTGGCCTGTTAGTGTGTCTGCTGCTGTACAGGCTTTTGGCTACCGACTCCGGAGGGTC
ATCGCAGCCTTCTACTTCCCAAGCGAGAGAAGAAGCGGATCCTGTTCTCTACAATGACCTATTGAAG
AAAAGAGCAGCCTTACCAAACTCAGGAGGGCCGCTATCCTGAGGGGGAGCGACAGCAGAAGGCTCCG
CGCCACCCGCTGGCGGATATCTGCACCGCGGCTGCCCGCTCCTGCGCCGCTGGCTGTGCCGGCGCTGC
GTGGTGTGCCAGGCACCGAGACGCCCCGAGTCTACGTGTGCCGGAGCGTGGACTGCGAGGCCGTGTAC
TGCTGGTGTGTGGGACGACATGCGGCAGCGGTGCCCGTCTGCACGCCCCGGAAGAGCTCTCTTCC
TCCGCTTTAGTGACAGCAACGACGACACTGCCTACGCGGGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:

SgfI-MluI

ACCN:

NM_001143687

Insert Size:

2046 bp

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).

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001143687.2
RefSeq Size:	2256 bp
RefSeq ORF:	2046 bp
Locus ID:	149095
UniProt ID:	Q5T197
Cytogenetics:	1q21.3
Protein Families:	Druggable Genome, Transmembrane
MW:	77.7 kDa
Gene Summary:	This gene encodes a protein with a domain similar to one found in dendritic cells (PMID:11169400) which play a key role in antigen processing and display for immune responses. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011] Transcript Variant: This variant (2) is missing an in-frame coding exon compared to variant 1, resulting in a shorter isoform (2) compared to isoform 1.