

Product datasheet for **SC306419**

DCST1 (NM_152494) 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)



Fully Sequenced ORF:

>SC306419 representing NM_152494.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGACATTAAACATCATCAGAATGGCACAAGAGGGCAAGAAGAAAACAGCCTCATACCACGGTGCAG
AGGCTCCTGACCTGGGGCTGCCAGTCTCCTGTAGCTGGTTCTGTGGCGCCAGCCGGGCGAGTTTCCT
GTCACTGCTCTCCTGCTGGGGGAGGCGCTGGGGGGCTCCTGGCCATAGGTCTCTTTCAAGCTCCTGGTG
AACCCCATGAACATCTACGAAGAACAAGATTATGTTCTGTACAGCTTGGTGGGCTTGGGGGCCATG
GGCTGGGGGACCTCCCTCACATCCGCTGTGCCAGCCTCCTACTAGTACCAAGATGCTGGGCAAGGAA
GGCAGGCTCTTTGCTGGGATACGCTTGGCTGCCATCTATGTGGGGCCAGTAGCCAATCTGCGACAC
AATCTCAACAACGTGATCGCATCGCTGGGCTGCACCGTGGAGCTGCAGATCAACAACACCCGCGCAGCT
TGGCGCATCTCCACAGCCCCCTTACGGGCCATGTTCAAGGACCTGCTGAGTAGCAAAGAATTGCTGAGA
GCAGAGACTCGGAACATCTCCGCCACTTTGAGGACCTGGATGCCAGGTGAATAGTGAGACGGGTAC
ACGCTGAGGATACCATGGACTCAGGGGAGACAGCCAGGGCAGGAGGCCCAAGCCCCAGCCTCC
AGACTCCACCTGTGACACAGAAGATGTATGAGCTGAAGACCAAGCTGCGTTGCTCCTATGTGGTGAAC
CAGGCCATACTCAGCTGCCGTGTTGGTTTGACCGCAAGCATGAACAGTGCATGAAGCACATCTGGGTG
CCACTCCTCACCCACCTGCTCTGCCTGCCTATGAAGTTCAAGTTCTTCTGTGGCATTGCCAAGGTGATG
GAGGTTTGGTGCCCAATCGCATCCAGTGAAGGCACTTTGGGCGAGCTACGACTCCCTCAACCAAG
TCTATTCTGGGCTGGATGGGGAATTTTCAGCCAATATTGACTTCAAGGAAGAGAAGCAGGCTGGGGTG
CTGGGGCTCAACAAGCTGGGAGCGCTGAGCACCGAGGTGCGGGACTACGTGTACCGCCAGGAGGCC
CGGCTGGAGTGGGCGCTGGGCTGCTGCACGTGCTGCTCTCCTGCCTTTCTGCTGGTCTGCTGCG
TCTTTCTCTACATGGACAGCTATAACCATGACATTCGTTTGAACAATCTACATCAGTACCTACTTC
TGCCAGATCGATACCGCAGGAAGAAGCTGGGCAACGAGCTCTGCTGCCACTCCGCAAGCTGAGGAG
AAAACCGTCATCTTCCCTTGAAGCCACCATCCAGGCCTCAGAAATGAGCAATGTGGTGAGGGAGCTC
CTGGAGACTGCCCATCTGCTGCTGCTGGTGGTGTGTGTGGCTGGACTGGGCTCTCTACTCCATC
TTCGACACCATCCGCCACCACTCCTTCTGCACTCTCTCCGAGCAGTCAAACTGGAGGTGAAG
GTCGGGGGAGACTCCATGCTAGCCCGGCTTCTTCGAAAAACCATTTGGGGCCCTGAACACCTCCTCAGAG
ACAGTGATGAATCAACAACATGCCTGCCTGCCCGAGCTGTGGGCTGGATGCCAGGGCCTACTGG
AGAGCTGCAGTACCGATTGGCCTGTTAGTGTGTCTCTGCCTGTTACAGGCTTTTGGCTACCGACTCCGG
AGGGTCATCGCAGCTTCTACTTCCCAAGCGAGAGAAGAAGCGGATCCTGTTCTCTACAATGACCTA
TTGAAGAAAAGAGCAGCTTCAACAACTCAGGAGGGCCGCTATCCTGAGGCGGGAGCGACAGCAGAAG
GCTCCGCGCCACCCGCTGGCGGATATCCTGCACCGCGCTGCCCGCTCCTGCGCGCTGGCTGTGCCGG
CGCTGCGTGGTGTGCCAGGACCCGAGACCCGAGTCTACGTGTGCCGAGCTGGACTGCGAGGGCC
GTGTAAGTGTGGTGTGCTGGGACGACATGCGGAGCGGTGCCCGTCTGCACGCCCCGGAAGAGCTC
TCTTCTCCGCTTTAGTGACAGCAACGACGACACTGCCTACGCGGGGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:

SgfI-MluI

ACCN:

NM_152494

Insert Size:

2121 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_152494.3
RefSeq Size:	2331 bp
RefSeq ORF:	2121 bp
Locus ID:	149095
UniProt ID:	Q5T197
Cytogenetics:	1q21.3
Protein Families:	Druggable Genome, Transmembrane
MW:	80.7 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 (1) encodes the longer isoform (1).