

Product datasheet for **RC221368**

DCST1 (NM_152494) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DCST1 (NM_152494) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DCST1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC221368 representing NM_152494
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACATTAACATCATCAGAATGGCACAAGAGGGCAAAGAAGAAAACAGCCTCATACACGGTGCAGA
 GGCTCCTGACCTGGGGGCTGCCAGTCTCCTGTAGCTGGTTCCTGTGGCGCCAGCCGGGCGAGTTTCCTGT
 CACTGCTCTTCTGCTGGGGGAGGCGCTGGGGGCTCCTGGCCATAGGTCTCTTTAGCTCCTGGTGAAC
 CCCATGAACATCTACGAAGAACAGAAGATTATGTTCTTGTACAGCTTGGTGGGCTTGGGGCCATGGGCT
 GGGGGACCTCCCCTCACATCCGCTGTGCCAGCCTCCTACTAGTACCCAAGATGCTGGCAAGGAAGGCAG
 GCTCTTTGTCTGGGATACGCCTGGCTGCCATCTATGTGGGGCCAGTAGCCAATCTGCGACACAATCTC
 AACACGTGATCGCATCGCTGGGCTGCACCGTGGAGCTGCAGATCAACAACCCCGCGCAGCTTGGCGCA
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 GATACCATGGACTCAGGGGAGACAGCCAGGGCAGGGAGGCCCGCAAGCCCCAGCCTCCAGACTCCACC
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 CAGCTGCCGTCGTTGGTTTGACCGCAAGCATGAACAGTGCATGAAGCACATCTGGGTCCCCTCCTCACC
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 GCTGCTGCTGGTGGTGTGTGGCTTGGACTGGGCTCTACTCCATCTTCGACACCATCCGCCACCAC
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 GCCCTGCCTGCCAGCCTGTGGCCTGGATGCCAGGGCCTACTGGAGAGCTGCAGTACCGATTGGCCTG
 TTAGTGTCTCTGCCTGTTACAGGCTTTTGGCTACCGACTCCGGAGGGTCATCGCAGCCTTCTACTTCC
 CCAAGCGAGAGAAGAAGCGGATCCTGTTCTCTACAATGACCTATTGAAGAAAAGAGCAGCCTTACCAA
 ACTCAGGAGGGCCGCTATCCTGAGGCGGGAGCGACAGCAGAAGGCTCCGCGCCACCCGCTGGCGGATATC
 CTGCACCAGCGGCTGCCGCTCCTGCGCCGCTGGCTGTGCCGGCGCTGCGTGGTGTGCCAGGCACCCGAGA
 CGCCCCAGTCTACGTGTGCCGACGCTGGACTGCGAGGCCGTACTGCTGGTGTGCTGGGACGACAT
 GCGGCAGCGGTGCCCGTCTGCACGCCCGGAAGAGCTCTTCTCCTCCGCTTTAGTGACAGCAACGAC
 GACTGCCTACGCGGGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC221368 representing NM_152494
Red=Cloning site Green=Tags(s)

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MDIKHHQNGTRGQRRKQPHTTVQRLLTWGLPVSCSWFLWRQPGEFPVTALLLGGAGGLLAIGLFQLLVN
PMNIYEEQKIMFLYSLVGLGAMWGTSPIHRCASLLLVPKMLGKEGRLFVLGYALAAIYVGPVANLRHNL
NNVIASLGCTVELQINNTRAAWRISTAPLRAMFKDLLSSKELLRAETRNI SATFEDLDAQVNSETGYTPE
DTMDSGETAQGREARQAPASRLHLSTQKMYELKTKLRCSYVVNQAILSCRWFDRKHEQCMKHIWVPLLT
HLLCLPMKFKFFCGIAKVMVWCRNRIIPVEGNFGQTYDSL NQSI RGLDGEFSANIDFKEEKQAGVGLNT
SWERVSTEVDRDYVYRQEARLEWALGLLHVLLSCTFLLVLFASFYMSYNDIRFDNIYISTYFCQIDDR
RKKL GKRTLLPLRKAEEKTVIFPCKPTIQASEMSNVVRELLETLP IPLL VVLCGLDWALYSIFDTRHH
SFLQYSFRSSHLEVKVGGDSLLARLLRKTIGALNTSSETVMESNNMPCLPQPVGLDARAYWRAAVPIGL
LVCLCLLQAFGYLRRVIAAFYFPKREKKRILFLYNDLLKKRAAFKLRRAAILRRERQQKAPRHPLADI
LHRGCP LLRRWLCRCVVCQAPETPESYVCR TL DCEAVYCWSCWDDMRQCPVCTPREELSSSAFSDSND
DTAYAG
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8012_e07.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

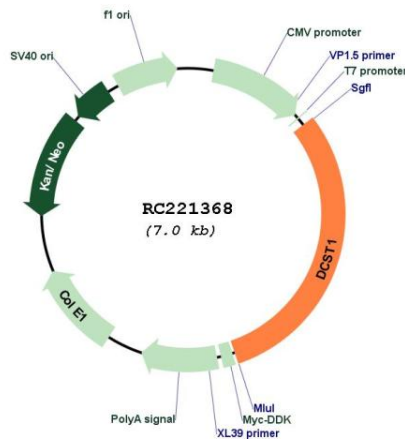
ACCN: NM_152494

ORF Size: 2118 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_152494.1, NP_689707.1</u>
RefSeq Size:	2314 bp
RefSeq ORF:	2121 bp
Locus ID:	149095
UniProt ID:	<u>Q5T197</u>
Cytogenetics:	1q21.3
Protein Families:	Druggable Genome, Transmembrane
MW:	80.5 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]

Product images:


Circular map for RC221368