

## Product datasheet for **RC221821**

### DCST2 (NM\_144622) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DCST2 (NM_144622) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DCST2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide  
Sequence:**

>RC221821 representing NM\_144622  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCAAAGTCATGAAGGATGTTGTGCACCCCTTGGGGGAGAGGAGCCTAGCATGGCGAGAGCTGTGG  
 TTCGCAGCGTGGGAGTTTTACCCTGGGCTTGTCTTTAGCCACGGCCTACGGGCTTCTGGAGCTACTGGT  
 GGAAGGCCACAGCCCTGGGGTTGCCTGGTGGGACCCCTCACTTTGGCTGCCTTCTTAGCCTGGGCATG  
 GGATTCTCTCGCCAGGTCGAGCCACTGTCTCTGCTGCTGCCTCAGGCCTTCTCCAGGCAGGGCCGGA  
 CACTACTGTTGGTGGCTGCTTTGGTTGGTGTCTCAAGGGCCTTGTGCCAACACTCTACGCAACTTCAC  
 CCGGGCCAGCGAGGCTGTAGCCTGTGGGCAGAGCTGGCCCTGAACCAGACCGCCGAAGTGTACAGAGG  
 GCCAAGCAACCTTTGTCAAGTCCCTGAACAAGATTAAGCTATTGCCCGAAGACCAAAGAGGTGGCTG  
 ACCGGGTCGCAAGTTCTTTCCGTCATCATGGATGGTGTGAAACACATAGCCAGGGCTCTCCGGAATGT  
 GTGGCAGTGGCTCTGCACATCGCGGATGTGTGCAACTCGGAACGGGCAACCCTTACCTGAAGTGTGCA  
 CGGGTTTTCGATGATGCCAAGGACAGCTGCATGATGGTCATACCACAAGCCTACCACCTGTGTTAGTGC  
 TCATGCCCTTCAAACCTGGCGCTCTGTGGACTTGCACGCCTGGTCCAGGTGTTCTGCGTCATCCCTAAGTA  
 CATTCAACCTTCTTGCGCCAGACCATCGGCACCCCGTGATTGCTCAACCGGGTGCCTCAGGAG  
 TTTGAGTTCAACATGACAGCCACCCACCACTTCTGTGGATCTCAATGCCTCTCGGAGCCTGTCCCAGG  
 TAGCCATGGACCTCCACGAGGCTGTGAGCATGAAGCTGCACCGTGTCCGAGAGGCCCTGGCTGTATGGG  
 CTTACCACGCCTCTGCTGCTTGTGCTTCTACCTCCAAGCCCTATTTACCAGTATTGTTACCTGAAC  
 TGGGACCATTATGACAATATCTACATCACTAGCCGATTCTGCGCATGGAGGCTGTGCGCTCCACGGCAG  
 GGCTGCCACAGTGTACCGCTCAGTGTCTCAGAGGCCAGGCGCTACATCCCACCGGGCTCCATCTTCTT  
 GTCCCAATGGGAGAAGTTTTTTTACATTCTGGAGACCTTCAACCTTATCCGACACCTCCTCCTCGTGCTG  
 TTCTAGTCTTCTAGACTATGCTGTCTTCTGGGTGCTTGACCTGGCCCGCACCAGCTGCAGGGGAGA  
 TTGTGGCCCGCAGTCTGTGTTGGTGTCTTAACCGTGAAGGACTGGCTACGCTGGGAATATTTATCG  
 TGACCTGGTGTGACGATTTGATGTCTGTCAGCAAGGCAACATCAGTATTTTGTCCCGGCTTGTCTCCTT  
 CGTCCCTCGGAGCCTGACAGCACTGGCTACATAGTCATTGGCGTCATGTATGGCCTATGCTTCTTCATCA  
 CCCTGTTTGGCAGCTATGTCAGCCGGCTGCGGCGAGTCACTGTGCTCCTACTACCCATCCCGGGAGCA  
 GGAGAGGATCTCCTACCTGTACAATGTACTTCTGAGCCGCGCAACCAATCTGTTGGCTGCCCTGCACCGA  
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 GCCTAGGTCCATTTGTCAGCCACTTTTGGCTGCATCAGGCCTACTGCCTGGGCTGTGGGCAGCCCAAGGA  
 TGAGGGAGACATGGAGAACACTGTGCTCAGTACCCCGGCTGCCAAGGTCTCTACTGCCTCACTTGC  
 TTCCGCTCCTGGACAATACCTGCTCCGTGTGTGCATCTCCCCTCTCTACCAGGGGGACCTGGACCTGG  
 AGCTGGACTCCAGCGATGAGGAGGGCCCTCAGCTATGGCTGGCTGCAGCTCAAAGGAAGGACCCTGAGCA  
 GGCATGGTTATTGCAGCAACAGCTCCAAGAAGTGTCTGGCAGGAGCCTCTCAATGGAGTCCACTTCCGAG  
 TCCAGTGACCTGGATGAGGAGAAGGGCCCTCAGCAGAGGAAGCACGGGCAGCAGCCCTTACCTGAAGCCC  
 ATCAGCCTGTGACATTTCTACCAGCCCTGAGCCCCACAGACCACCTGAGACATCCTCCGCCACTAAAGG  
 AGCCCCACTCCAGCTTCAGAACCCTCAGTCCCTCTCACCTCCCTCTTCTCTGATCCTTCCCACCCA  
 CCCCCAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC221821 representing NM\_144622  
Red=Cloning site Green=Tags(s)

MPKVMKDVVHPLGGEEPSMARAVVRSVGGFTLGLSLATAYGELLELLVEGHSPWGCLVGTLTAAFLSLGM  
GFSRQVRATVLLLLPQAFSRQGRLLLLVAAFGLVLQGPCANTLRNFTRASEAVACGAELALNQTAEVLQR  
AKQPLVSALNKIKAIARKTKEVADRVKFFRSIMDGVKHIARALRNWQWLLHIGDVCNSELGNPYLKCA  
RVFDDAKDSCMMVIPQAYHLCYVLMPFKLALCGLASLVQVFCVIPKYIQPFLRQTIGTPVIQLLNVRVQE  
FEFNMTATHHFSVDLNASRSLSQVAMDLHEAVSMKLRVREALALMGFTTPLLVLVLYLQALFYRYCYLN  
WDHYDNIYITSRFLRMEAVRSTAGLPTVLPLSAHEARRYIPPGSIFLSQWEKFFYILETFNLRHLLLVL  
FLVFLDYAVFWLDLARHQLQGEIVARSPVLVSLTVEGTGYAGNIYRDLVSAFDVLQQGNISILSRRCLL  
RPSEPDSTGYIVIGVMYGLCFFITLFGSYVSRRLRRVICASYPSREQERISYLYNVLLSRRTNLLAALHR  
SVRRRAADQGHRS AFLVLASRCPLGPFVSHFWLHQAYCLGCGQPQDEGDMEN TVSCSTPGCQGLYCLTC  
FRLLDNTCSVCASPLSYQGDLDLELDSSDEEGPQLWAAAQRKDPEQAWLLQQQLQEVLRSLSMESTSE  
SSDLDEEKGPQRKHGQQPLPEAHQPVSILTSPEPHRPPETSSATKGAPTPASEPSVPLSPPSLPDP SHP  
PPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8012\\_c12.zip](https://cdn.origene.com/chromatograms/mk8012_c12.zip)

**Restriction Sites:** Sgfl-Mlul



**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\\_144622.3](#)

**RefSeq Size:** 2421 bp

**RefSeq ORF:** 2322 bp

**Locus ID:** 127579

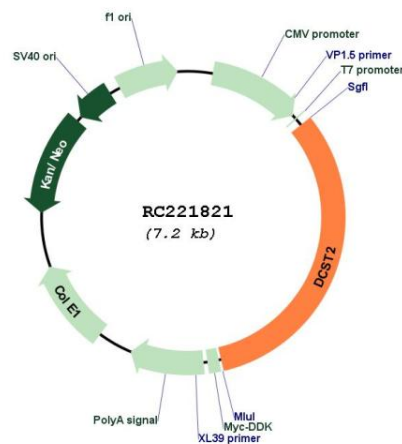
**UniProt ID:** [Q5T1A1](#)

**Cytogenetics:** 1q21.3

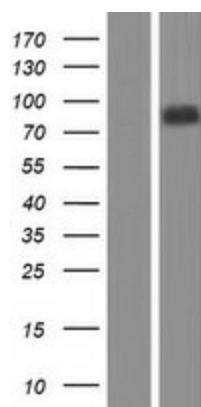
**Protein Families:** Transmembrane

**MW:** 86 kDa

### Product images:



Circular map for RC221821



Western blot validation of overexpression lysate (Cat# [LY408255]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC221821 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).