

Product datasheet for **MR220776**

Dcst1 (NM_029974) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dcst1 (NM_029974) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dcst1
Synonyms:	A330106H01Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR220776 representing NM_029974
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGTTCTCTCATCAACACTTCACAGCCTAGGGATCTTTGAAAAGATTTCCAGGATAAAAAGAGGTTCT
 TCAAGAATAGGCTGCTGGACCTTACAAAGCGTCGGGACCAAGCACGGGAGCAACAAAGGAAACGGCCCA
 CACCATCATACAGGGGCTGCTCCTCTGGAGTCTTCCAGTTTCTGGATCCGGTCTGTGGCGACAGCCA
 GGGGAGTTTCCAGTAAGTCTTCTGCTAGGAGCAGGCACTGGTGGGCTCTGGCCATAGGTCTCTTTC
 AGCTCTTGGTGAATCCCATGAACATTTATGAGGAGCAGAAGGTGGTGGCGTTATACTGCTTGGAAGCTT
 GGGGGCCATCGGCTGGGGCACCTCCCCTCACATCCGCTGTGCCAGTCTCCTGTTGGTACCCAAGATGCTG
 GGCAAAGAAGGCAGACTCTTGTATGGGATATGCTTTGGCTGCTATCTACAGTGGGCGCGGCCAATC
 TAAGGTCCAACATCAACGAGGTGATAGCATCCCTGGGCTGCACTGTGGAGCTGCAGATCAACAACACCCG
 ATCCGCTGGCGAGTCTCCACAGCCCTCTGCGGGCAGTGTCAAGGGCATGGTGGGCAGCAAAGATTCA
 TTGAATAAAGAGATTAGAACGCTCTACTCCTTTGAAGAGATGGATGAACAGGTGAAGAGTATGCTG
 GCTACTCATCTGAGGACTGGGACAAGAACAGAGAAAGCACAGAGATGTTCCGGAACCTCCCGCTCCGACC
 CTACCTGTCCACACAGATGGTGTATGAGCTGAGGACCAGGCTACGCTGCATCCATGTAGTAAATAAGGCC
 ATACTCAGCTGCTACCGTGGTTTGATAAAAAGCATAAAAAGTGCATGCGACGCATCCACCTCCCCTCT
 TCAACAACATGATCTGTGTGCCAATGAAGTTCAAGTTCCTCTGTAAACATTGCCAAGGTGATAGAGATCTG
 GTGTTACAAACGCATCCCGTGGGAAAGCACTTTGGGCAAACCTATGACTCGGTCAACAGTCTATCCAT
 GGACTGCTGGAGAATTTTCAGCCAATATTAACCTTAAGGAAGAGAAGCAGTCTTCAATGGTGGTCTCA
 ACACCAGAACTGGGAGCACATGGGACCGAGGTGCGGGACTATGTTCCGACAGCAGGACCTATCTGCA
 GTGGGCTATGGGCTGCTGCACGTCTTCTGCTGCTGACAGTTCCTGCTGGTCTTCCATTACGCTTCTCC
 TACATGGACCACTACAACCTGGGACATCCGCTTTGACAACATCTACATCAGCACCTACTTCTGTCAGATTG
 ATGCACGCAGGAAGAAGCTGGGCAAACAGAGTCTGTTGCCACTCCGCAAGGCAGAAAGGAAAACGGTTAT
 CTTCCCTTTCAAAGCTACTATCCAGGCCTGGGAAATGCGCTATGTGATAAGAGAGCTCCTAGAGACTCTG
 CCTATTGTGCTGCTCCTGGTGTGTGCGGATCGACTGGGCACTCTACTCTGTCTTTGACACCATCC
 GCCAGCACTCTTTCGTGCAGTATTCCTTTGCAAGCAGTACAAGCTGGAGATAAAAAGTCGAGGGAGATT
 CATACTCGCAAGCTTCTTCGTAACCATCGGCGCTCTGAACACCTCCTCGAGTACAGATGTGAAACA
 AACACATGCCCTGCCTGCCCAACCCATTAGCCTGAATGCCAGGATTACTTCAAGGCCTCACTGCCAA
 CCCTCCTGCTTGTGTCTCTGCTAGCTCAGGCCTTTGGCTACCGACTCCGGAGAGTATCGCAGCCTT
 CTATTTCCCAAGCGAGAGAAGAAGCGGCTCTGTTCTTCAATGAGTTCCTGAAGAAGAGATCAGCT
 TTCCTAAACTGAGGAGGGCCGCAATTGTTCCGAGGGCAAATCAGCAGAAGGCTCCACCCCACTACCTGG
 TGGAGGCTCTGTATCGCCGGTGCCTCTCCTGCACCGTTCATGCGTCAGCGCTGTGTGGTGTGCCAGGC
 AATGGAGACGCCGATTCTACGTGTGCCCCACACCAAGCTGCAAGGCCCTGACTGCCGGTCTGTGCTGG
 GACGACATGCAACGGCTCTGCCCGGTGTGACGCCCCGGAAGAGCTCTCGTCATCCGCCACAGCGACA
 GCAACGACGACGCTGTGTATGGCGAT

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR220776 representing NM_029974
 Red=Cloning site Green=Tags(s)

MAFLSSTLHSLGIFEKISRIKEVLKNRLDLTKRRDQAREQQRKRPHITIIQGLLLWSLPVSWIRFLWRQP
 GEFPVTAFLGAGTGGLLAIGLFQLLVNPMNIYEEQKVVALYCLASLGAIGWGTSPHIRCASLLVPKML
 GKEGRLFVMGYALAAIYSGPAANLRSNINEVIASLGCTVELQINNTRSAWRVSTAPLRAVFKGMVGSKDS
 LNKEIQNVSTSFEEDEQVKS DAGYSSSEDWKNRESTEMFGTSRVRPYLSTQMVELRTRLRCIHVVNKA
 ILSCYRWFDKKHKNCMRRILPLFNMMICVPMKFKFLCNIAKVIEIWCYKRIPVEGNFGQTYDSVNQSIH
 GLSGEFSANINLKEEKQSSMVGLNTTNWEHMGTEVRDYVRQETYLQWAMGLLHVLLSCTFLLVFHSAFS
 YMDHYNWDIRFDNIYISTYFCQIDARRKLGKQSLPLRKAERKTVIFPFKATIQAEMRYVIRELLET
 PIVLLLLVLCADWALYSVFDTRQHSFVQYSFRSSHLEIKVEGDSILAKLLRKTIGALNTSSSTDVET
 NNMPCLPQPI SLNARDYFKASLPTLLVCLCLAQAFGYLRRVIAAFYFPKREKRALFFYNEFLKRS
 AFTKLRAAIVRRANQKAPPHYLVEALYRRCPLLRHFRMRQRCVVCQAMETPDSYVCPDCKALYCRSCW
 DDMQRLCPVCTPREELSSAHSNDDAVYGD

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9013_e05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

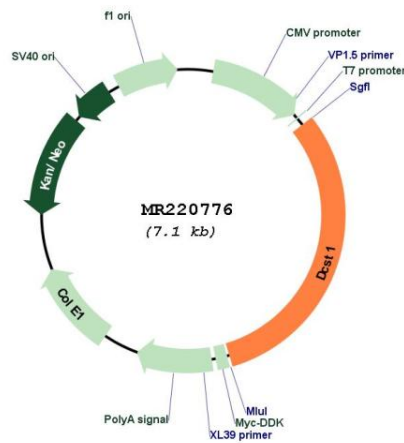
ACCN: NM_029974

ORF Size: 2196 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_029974.2, NP_084250.1</u>
RefSeq Size:	2312 bp
RefSeq ORF:	2199 bp
Locus ID:	77772
UniProt ID:	<u>Q059Y8</u>
Cytogenetics:	3 F1
MW:	84.8 kDa
Gene Summary:	This gene encodes a transmembrane protein. A similar gene in human has been associated with dendritic cells. [provided by RefSeq, May 2015]

Product images:


Circular map for MR220776