

Product datasheet for **MR217675**

Dsc3 (NM_007882) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dsc3 (NM_007882) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dsc3
Synonyms:	5430426I24Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR217675 representing NM_007882
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGGTTCCTGAGTTCGGAGCCACAGTGCAGGGCACTATGCACGAAGCTGCTGCTGACCCCTCTGGG
 TCTTCAGTTTTGTTGGTGAAGCCTGTA AAAAAGGTGACATTTTCATGTACCTTCAACACTAGAGGCAGACAA
 GATCATCGGAAGAGTTAGTTTGAAGAGTGTCTCAGCTCGGCAGATGGCATCATGCCAAGTGATCCCTGAT
 TTCAGAGTTCTAGATGATGGGTCAAGTTTATCCGACCAGAGCTGTTGTATTGTCTGATGAGAAAAGATCTT
 TTACCATTCACTTTCTGATTCAAAGATGCAGACACAGAAAGAGATCCCTGTAATCCTGGAGCACAAGAA
 GAAGGTACTGAAGAAAAGACACACTAAGGAAACTGTCCTCAGAAGATCTAAGAGAAGATGGGCACCCATT
 CCATGTTCAATGCAAGAAAATTCCTTGGGTCCCTTCCCATTGTTTCTTCAACAGGTTCACTCTGATGCAG
 CTCAGAACTACACAGTCTTCTATTCAATAAGTGGGCGTGGAGCTGATCAAGAACCCTTAAGTGGTTTTT
 CATCGAGAGAGACTGGGAATCTATATTGTACTCGGCCTGTGGATCGTGAGGAATATGATGTTTTTGAT
 TTGATTGCCTATGCATCCACTGCAGATGGCTATTCAGCAGATTTACCTCTCCCACTGCCATCAAATAG
 AGGATGAAAATGACAATTACCCTCTTTTACAGAAGCAATTTATGCTTTTGAAGTTCCAGAAGGCAGTAG
 ACTTGGTACTGTAGTGGGAACAGTTTGTGCCACGGATAAAGATGAGCCTGACACTATGCACACACGCCCTC
 AAGTACAGCATCTTGGAGCAGACCCACCATCACCTGGGCTTTTTTCTGTGCACCCTGACACAGGTGTCA
 TCACCACCGTCTCTCACTACATGGACAGAGAGGTCGTGGACAAGTACAACTGATAATGAAAAGTTCAAGGA
 CATGAATGGCCAAATTTTTGGACTAATCAGTACATCAACTGTATCATAACTGTGCAAGATTCCAATGAC
 AATGCACCCACATTCAAGCAAAATACTTATGAACTGCTGTGGAGGAAAATACATATAATGTTGAAATCT
 TGCCGATACCTGTAGATGATAAGGACATGATTAACACTGCCAAGTGAAGGCAAAATTTCACTCTTAAA
 AGGAAATGAAAATGGATGGTTCAAATCAACAGACCCAGTGACAAATGAAGGTGTTCTGTGTGTTGTG
 AAGCCACTGGATTATGAAGAAAATCGTCAAGTACCCTAGAGATTGGTGTGAACAACGAAGCTCCATTCA
 TTAAGATGTTGCAAACCGAATCCACCATGAACCGGGCTATGGTTACAGTACATGTGAAGGATCAGAA
 TGAGGGGCCAGAATGCAAGCCCCAGAGCAATATGTGCGGATCAAAGAGAACTCAGCAGTTGGGTCTAAG
 ATCAATGGCTACAAGGCCTACGACCCTGAAACCAAGAATAGCAATGGCTTAAGGTACAAAAAATTCAGG
 ATCCTAAAGACTGGGTGAGCATTGAAGAAGTTTCGGGGTTGCTTACCATATCAAAAACCTAGACAGAGA
 AATAATGGCTCCAAGAAATGACATGTACAATATTACAGTCATGGCAATTGACCAAGAGGGTAAATCATGC
 ACAGGAACACTTGCAGTGAACATCGAGGATGTGAATGACAACGCACCAGAGATAATTCAAGATTATTTG
 TTATCTGTAAGCCAAAGATGGGGTACACGGACATTTCACTGTGGATCCTGATGAACCTATCCATGGCCC
 TCCCTTTCAGTTCAACTGGCAAACACTTCTCCAGAAGTCAACAGAATCTGGACCCTCAACCAAGTTAAT
 GATACAGCTGCTCGCCTGTCTATCAGAAAACCTGCGGATGTTCAAATATACAACGTTCTGTTACTGTAA
 AAGACAGAGCAGGCCAATCTGCAACCAAAATCTTGAGAGTTAACCTGTGTGATTGTACTCATCCAGCCA
 ATGTCCGCTCAGATCAAGGAGTGCAGGAATTACCCTGGGAAAGTGGGCCATCCTTGCCATCTTGCTGGGC
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 TCCCTGAAGATTTAGCGCAGCAAACTTAATTATCAAATACCGAAGCACCTGGGGATGACAGAGTGTG
 CTCTGCCAATGGATTACCACCCACACTGCCAACAACTCCAGCCAAGGCTTCTGTGGTACAATGGGGTCA
 GGAATGAGGAATGGTGGGCAGGAGACCATCGAGATGATGAAAGGACACCAGACCTTGGACTCCTGCCGTG
 TGGCCGGGCATCACCATACCCTGGACTCCGGCAGGGGAGGACACATGGTACTGACAACCTGCAGATACAC
 ATACTCAGAGTGGCACAGTTTCACTCAACCCGACTTGGTAAAAATTCATGTGTGTAATCAGAATGAA
 GACCACATCCCATCCAAGACTATGTCCTCACCTATAACTATGAAGGCAGAGGGTCTCCGGCCGGCTCTG
 TAGGTTGCTGCAGTAAAAGCAGGAAGAAGAGGGACTTGACTTTTTAAACAACCTTGAACCCAAATTTCT
 TACATTGGCAGAAACATGCACAAAGAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR217675 representing NM_007882
 Red=Cloning site Green=Tags(s)

MVVEFRSPQCRALCTKLLLTLWVFSFVGEACKKVTFFHPSTLEADKIIIGRVSLKECLSSADGIMPSPDP
 FRVLDDGSVYPTRAVVL SDEKRSFTIQLSDSKMQTQKEIPVILEHKKKVLKKRHTKETVLRSSKRRWAPI
 PCSMQENSLGPFPLFLQQVQSDAAQNYTVFYISISGRGADQEPLNFFFIERDTGNLYCTRPVDREYDVFD
 LIAYASTADGYSADLPLPLPIKIEDENDNYPLFTEAIYAFEVPEGSRLGTVVGTVCATDKDEPDTMHTRL
 KYSILEQTTPSPGLFSVHPDTGVITTVSHYMDREVVDKYKLIMKVQDMNGQFGLISTSTCIITVQDSND
 NAPTFRQNTYETAVEENTYNVEILRIPVDDKDMINTANWKANFTILKGNENGWFKITTDPTVNEGVL CVV
 KPLDYEENRQVTLEIGVNNEAPFIKDVANRIPTMNRAMTVVHVKDQNEGPECKPPEQYVRIKENS AVGSK
 INGKYAYDPETKNSNGLRYKKLQDPKDWVSIIEVSGLLTISKTL DREIMAPRNDMYNITVMAIDQEGKSC
 TGT LAVNI EDVNDNAPEIIQDYIVICKPKMGYTDISAVDPDEPIHGPPQFN LANTSPEVNRITL NQVN
 DTAARLSYQKTADVQIYNVPVTVKDRAGQSATKILRVNLCDC THPSQCPLRSR SAGITL GKWAILL ILLG
 IALLF SVLLTL VCGVVTARKGKHFPEDLAQQLIISNTEAPGDDRVC SANGFTTHTANNSSQGFCGTMGS
 GMRNGGQETIEMMKGHQTL DSCR VAGHHHTL DSGRGGHMDTDNCRYTYSEWHSFTQPRLGEKLVHCNQNE
 DHIPSQDYVLYTYNYEGRGSPAGSVGCCSEKQEEEGLDLNNLEPKFLTLAETCTKR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9003_c09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:

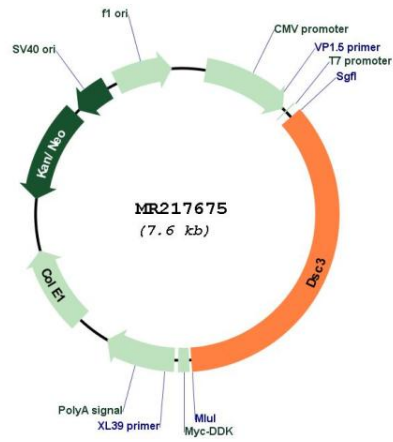


* The last codon before the Stop codon of the ORF

ACCN: NM_007882

ORF Size:	2688 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:	NM_007882.3 , NP_031908.3
RefSeq Size:	5305 bp
RefSeq ORF:	2691 bp
Locus ID:	13507
UniProt ID:	P55850
Cytogenetics:	18 11.11 cM
MW:	100.7 kDa
Gene Summary:	This gene encodes a member of the cadherin family of proteins that mediates adhesion in desmosomes. Together with desmogleins, the encoded protein forms the transmembrane core of desmosomes, a multiprotein complex involved in cell adhesion, organization of the cytoskeleton, cell sorting and cell signaling. Mice lacking the encoded protein exhibit a pre-implantation lethal phenotype. This gene is located in a cluster of desmosomal cadherin genes on chromosome 18. This gene encodes distinct isoforms, some or all of which may undergo similar processing to generate the mature protein. [provided by RefSeq, Jul 2016]

Product images:



Circular map for MR217675