

Product datasheet for **MC222460**

Dsc3 (NM_007882) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF: >MC222460 representing NM_007882
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGGTTCCTGAGTTCGGAGCCACAGTGCAGGGCACTATGCACGAAGCTGCTGCTGACCCCTCTGGG
 TCTTCAGTTTTGTTGGTGAAGCCTGAAAAAGGTGACATTTTCATGTACCTTCAACACTAGAGGCAGACAA
 GATCATCGGAAGAGTTAGTTTGAAGAGTGTCTCAGCTCGGCAGATGGCATCATGCCAAGTGATCCCTGAT
 TTCAGAGTTCTAGATGATGGGTCAAGTTTATCCGACCAGAGCTGTTGTATTGTCTGATGAGAAAAGATCTT
 TTACCATTCACTTTCTGATTCAAAGATGCAGACACAGAAAGAGATCCCTGTAATCCTGGAGCACAAGAA
 GAAGGTACTGAAGAAAAGACACACTAAGGAAACTGTCCTCAGAAGATCTAAGAGAAGATGGGCACCCATT
 CCATGTTCAATGCAAGAAAATTCCTTGGGTCCCTTCCATTGTTTCTTCAACAGGTTTCAGTCTGATGCAG
 CTCAGAACTACACAGTCTTCTATTCAATAAGTGGGCGTGGAGCTGATCAAGAACCCTTAACTGGTTTTT
 CATCGAGAGAGACTGGGAATCTATATTGTACTCGGCCTGTGGATCGTGAGGAATATGATGTTTTTGAT
 TTGATTGCCTATGCATCCACTGCAGATGGCTATTCAGCAGATTTACCTCTCCACTGCCATCAAATAG
 AGGATGAAAAATGACAATTACCCTCTTTTACAGAAGCAATTTATGCTTTTGAAGTTCCAGAAGGCAGTAG
 ACTTGGTACTGTAGTGGGAACAGTTTGTGCCACGGATAAAGATGAGCCTGACACTATGCACACACGCCCTC
 AAGTACAGCATCTTGGAGCAGACCCACCATCACCTGGGCTTTTTTCTGTGCACCCTGACACAGGTGTCA
 TCACCACCGTCTCTCACTACATGGACAGAGAGGTCGTGGACAAGTACAACTGATAATGAAAAGTTCAAGG
 CATGAATGGCCAAATTTTTGGACTAATCAGTACATCAACTGTATCATAACTGTGCAAGATTCCAATGAC
 AATGCACCCACATTTCAGACAAAATACTTATGAACTGCTGTGGAGGAAAAATACATATAATGTTGAAATCT
 TGCCGATACCTGTAGATGATAAGGACATGATTAACTGCAACTGCAACTGGAAGGCAAAATTTCCACCATCT
 AGGAAATGAAAAATGGATGGTTCAAAATCACAACAGACCCAGTGACAAATGAAGGTGTTCTGTGTGTTGTG
 AAGCCACTGGATTATGAAGAAAATCGTCAAGTACCCTAGAGATTGGTGTGAACAACGAAGCTCCATTCA
 TAAAGATGTTGCAAACCGAATTCACCATGAACCGGGCTATGGTTACAGTACATGTGAAGGATCAGAA
 TGAGGGGCCAGAATGCAAGCCCCAGAGCAATATGTGCGGATCAAAGAGAACTCAGCAGTTGGGTCTAAG
 ATCAATGGCTACAAGGCCTACGACCCTGAAACCAAGAATAGCAATGGCTTAAAGTACAAAAAATTCAGG
 ATCCTAAAGACTGGGTGAGCATTGAAGAAGTTTCGGGGTGTCTTACCATATCAAAAACCTAGACAGAGA
 AATAATGGCTCCAAGAAATGACATGTACAATATTACAGTCATGGCAATTGACCAAGAGGGTAAATCATGC
 ACAGGAACACTTGCAGTGAACATCGAGGATGTGAATGACAACGCACCAGAGATAATTCAAGATTATTTG
 TTATCTGTAAAGCAAAGATGGGGTACACGGACATTTTCAGCTGTGGATCCTGATGAACCTATCCATGGCCC
 TCCCTTTCAAGTTCAACTGGCAAACACTTCTCCAGAAGTCAACAGAATCTGGACCCTCAACCAAGTTAAT
 GATACAGCTGCTCGCCTGTCTATCAGAAAATGCGGATGTTCAAATATACAACGTTCTGTTACTGTAA
 AAGACAGAGCAGGCCAATCTGCAACAAAATCTTGAGAGTTAACCTGTGTGATTGTACTCATCCAGCCA
 ATGTCCGCTCAGATCAAGGAGTGCAGGAATTACCCTGGGAAAGTGGGCCATCCTTGCCATCTTGCTGGGC
 ATTGCTCTGCTATTTTCGGTACTGCTAACTTTGGTATGTGGAGTTGTTACTGCCCGAAAAGGAAAACACT
 TCCCTGAAGATTTAGCGCAGCAAACTTAATTATCAAATACCGAAGCACCTGGGGATGACAGAGTGTG
 CTCTGCCAATGGATTACCACCCACACTGCCAACAACTCCAGCCAAGGCTTCTGTGGTACAATGGGGTCA
 GGAATGAGGAATGGTGGCAGGAGACCATCGAGATGATGAAAGGACACCAGACCTTGGACTCCTGCCGTG
 TGGCCGGGCATACCATACCCTGGACTCCGGCAGGGGAGGACACATGGTACTGCAACTGCAGATACAC
 ATACTCAGAGTGGCACAGTTTCACTCAACCCGACTTGGTAAAAATTCATGTGTGTAATCAGAAATGAA
 GACCACATCCCATCCAAGACTATGTCCTCACCTATAACTATGAAGGCAGAGGGTCTCCGGCCGGCTCTG
 TAGGTTGCTGCAGTAAAAAGCAGGAAGAAGAGGGACTTGACTTTTTAAACAACCTTGAACCCAAATTTCT
 TACATTGGCAGAAACATGCACAAAGAGAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_007882

Insert Size:	2691 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).
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
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>