

Product datasheet for MC208368

Dcn (NM_007833) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dcn (NM_007833) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dcn
Synonyms:	DC; DSPG2; PG40; PGII; PGS2; SL; SLRR1B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208369 representing NM_001190451 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGCAACTCTCATCTTCTTCTTCTGGCACAAGTCTCTTGGGCTGGACATTTGAACAGAGAGGCT
TATTTGACTTCATGCTAGAAGATGAGGCTTCTGGCATAATCCCTTATGACCCTGACAATCCCCTGATATC
TATGTGCCCTACCGATGCCAGTGCATCTTCGAGTGGTGCAGTGTCTGATCTGGGTTTGGACAAAGT
CCCTGGGATTTCCACCCGACACAACCTTGCTAGACCTGCAAAACAACAAAATTACAGAGATCAAAGAAG
GGCCTTCAAGAACCTGAAGGACTTGCATACCTTGATCCTTGCAACAACAAGATCAGCAAAATCAGTCC
AGAGGCATTCAAACCTCTCGTGAAGTTGAAAGGCTTTACCTGTCTAAGAACCAACTAAAGGAACTGCCT
GAAAAATGCCAGAACTCTCCAGGAACTTCGTGTCCATGAGAATGAGATCACCAGCTGCGGAAATCCG
ACTTCAATGGACTGAACAATGTGCTTGCATAGAAGTGGGCGCAACCCACTGAAAACTCTGGGATTGA
AAACGGAGCCTTCCAGGGACTGAAGAGTCTCTCATACATTCGCATCTCAGACACCAACATAAAGTGCATC
CCTCAAGGTCTGCCTACTTCTCTCACTGAAGTGCATCTAGATGGCAACAAGATCACCAGGTTGATGCAC
CCAGCCTGAAAGGACTGATTAATTTGTCTAAACTGGGATTGAGCTTCAACAGCATCACCGTTATGGAGAA
TGGCAGTCTGGCAATGTTCTCATCTGAGGGAACCTCACTTGGACAACAACAACATCTCCGAGTTGGGC
GCTGGGCTGGCAGCATAAGTATATCCAGGTCGTCTACCTTCAACAACAACAACATCTCCGAGTTGGGC
AAAATGACTTCTGCCGAGCTGGACACCCCTCTCGAAAGGCTTCCACTCGGCTGTGAGTCTTTACGGCAA
CCCTGTCCGGTATTGGGAAATCTTCCAAACACCTTCAGATGTGTCTATGTGCGTTCTGCCATTCAACT
GGAAACTACAAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI



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ACCN:	NM_007833
Insert Size:	1065 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:	<u>BC132521</u> , <u>AAI32522</u>
RefSeq Size:	1520 bp
RefSeq ORF:	1065 bp
Locus ID:	13179
UniProt ID:	<u>P28654</u>
Cytogenetics:	10 50.27 cM
Gene Summary:	<p>This gene encodes a member of the small leucine-rich proteoglycan (SLRP) family of proteins. The encoded preproprotein is proteolytically processed to generate a mature protein product, which is secreted into the extracellular space to regulate collagen fibril assembly. Homozygous knockout mice for this gene exhibit enhanced tumorigenesis in a liver cancer model, and defects in collagen fibrils, leading to weakened skin and tendons. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2015]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.</p>