

Product datasheet for **MC201891**

Dkk1 (NM_010051) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dkk1 (NM_010051) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dkk1
Synonyms:	mdkk-1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC050189 sequence for NM_010051
 AGAGACTCCACCAGCGGAGGTCCCGAAGTTGAGGTTCCGCAGTCCAGACTCTGCAGCCAGCCGCCGTGCA
 AAGTGACCTCTCTTTTCTGACCTTTGCCTGTTTGCCTCCTTCGGAGATGATGGTTGTGTGTGCAGCGGC
 AGCTGTCCGGTCTTGGCCGTGTTTACAATGATGGCTCTCTGCAGCCTCCCTCTGCTAGGAGCCAGTGCC
 ACCTTGAAGTCAAGTCTCATCAATTCACCGCATCAAGAAGCTGCCCCACCGCTGGGTGGTGTGGGG
 GGCAGCCGGGCTCTGCTGTCAGTGTGGCGCCGGGAGTTCTCTATGAGGGCGGGAACAAGTACCAGACTCT
 TGACAAGTACCAGCCCTACCCTTGGCTGAAGATGAGGAGTGGCGCTCTGACGAGTACTGCTCCAGCCCC
 AGCCGCGGGGCAGCCGGGTCGGAGGTGTACAGATCTGTCTGGCTTGCCGAAAGCGCAGGAAGCGCTGCA
 TGAGGCACGCTATGTGCTGCCCGGGAAGTACTGCAAAAATGGAATATGCATGCCCTCTGACCACAGCCA
 TTTTCTCGAGGGGAAATTGAGGAAAGCATCATTGAAAACCTTGGTAATGACCACAACGCCGCCGCGGGG
 GATGGATATCCAGAAGAACCACACTGACTTCAAAAATATATCACACAAAGGACAAGAAGGCTCCGCTCT
 GCCTCCGATCATCAGACTGTGCCGAGGGCTGTGTTGTGCAAGACACTTCTGGTCCAAGATCTGTAAACC
 TGTCTTAAAGAAGTCAAGTGTGCACCAAGCACAAAACGGAAAGGCTCCCACGGGCTGGAGATATCCAG
 CGCTGTTACTGCGGGGAAGGCCTGGCTTGCAAGATACAGAAAGATCACCATCAAGCCAGCAATTCTCTA
 GGCTCCACACCTGCCAGAGACACTAAACCGACAGTCTAAATATGATGGACTCTTTTTATCTAATATATGC
 TACGAAAATCCTTTATGATTTGTGAGCTCAATCCAAGGATGTAGGAATCTTCAGTGTGTAATTAAGCAT
 TCCGACAATACCTTCCAAAAGCTCTGGAGTGAAGGACTTTGTTTCTTGATGGAAGTCCCCTGTGATTGC
 AGTAAATTAAGTGTGTTGTAATCCTCAGTGTGGCACTTACCTGTAATGCAGCAAAACTTTTAATATTT
 TTCTAGAGGTGTGCTACATTGCCTTGTCTCTTGCATGTAATTTTTTTGTACACGGTTGATTGTCTT
 GACTCATAAATATTCTATATTGAAGTAATTTGGTTTACAGTTCTTAAATGTGTAACCCTTTCTGCTTCA
 ATGTCTAGGGGGTCGAATGTAAGGAGAAATGGAATAGTCGGTGATAGGCATCTAAATTTAACATGAAAG
 TATCAGTTTATTTCTGAGATGTGCTCTCTGCTTAGATTCTCTCTCTCTCTCCCTCTCTCTCTCTC
 TCTCTCTCTCTCTCATCTCCTCTAGTTC
 TGCTCTCTCGGCTGGTAGTCTTGAAATAAAATTTAACATTTAATAATCATTAAAGTTAGAAGTATAGAT
 ACATTTGGGGCTCTGTGTGTGTGTGAGAGAGAGGGGGGTTAAAATGATAAGATATATTGTCTGTGTGTG
 AGTTAGTTTAAAGAGAATGTATCTACATTGATAAAACTCAAATGGCTTTGGTAATATGGGCTTGAATTTG
 GTATAACTACCTTCAAACCTTCTAACAAGTGTGGTTGGTCTTTTGCCTATAATCCAGGATTTGGAGG
 CTGAGGCAGAGGGATGCCATGAACTCAGGTCCATTCTGGCCAACTCTTCTATAGAACAATGTTCAAGT
 TCAAAAAAACATCAACCAAAAGTAGTTAACAACCAATTAATATTCACCTAAGTGACCAACAGTTATTGG
 AAGGGAGGGAATGCCAAGCAAGTATTCCAGATGATGGGCAGAATTGAGAAGAGATTATGCAGAAGGAA
 GCCTGCCAACTTAAGCCAATAATTAATCTGAATATTTAGATCCTCTGACATGCTGAAGAATTGTTTC
 AATCAGTTTGAATTAATAATAATTAATAAATCTAGAATGTAACACTTCTCTTGCCAAG
 AATATTTTCAATTTTTGCTTCACTGTACTCCATTGATTGGAATGAGAATGGCTTTATTAATAAAAAA AAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_010051
- Insert Size:** 819 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:

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: [BC050189](#), [AAH50189](#)

RefSeq Size: 2245 bp

RefSeq ORF: 819 bp

Locus ID: 13380

UniProt ID: [O54908](#)

Cytogenetics: 19 C1

Gene Summary: Antagonizes canonical Wnt signaling by inhibiting LRP5/6 interaction with Wnt and by forming a ternary complex with the transmembrane protein KREMEN that promotes internalization of LRP5/6 (PubMed:18524778). Inhibits the pro-apoptotic function of KREMEN1 in a Wnt-independent manner, and has anti-apoptotic activity (PubMed:26206087). Plays a role in limb development; attenuates Wnt signaling in the developing limb to allow normal limb patterning (PubMed:18505822).[UniProtKB/Swiss-Prot Function]