

Product datasheet for MC205453

Cnmd (NM_010701) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnmd (NM_010701) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cnmd
Synonyms:	Bricd3; ChM-I; Chmd; Lect1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC045152
 GGAACAGTTAGGACAGTGGGATAGGGTCTTCGCGTATCTTACTTCTCCATCTTCAGCCATGACAGAGAAC
 TCAGACAAAGTTCCTATCACCATGGTAGGGCTGAGGACGTTGAGTTTTGCAGTCCCCGGCGTACACCA
 CCGTCACCGTGAAGCCCTCCGGGAGCCCAACACGGCTGCTCAAGGTAGGAGCTGTGGTCCCTATTCTGG
 CGCGTACTGCTGCTCTTCGGGGCCATCGGGCCCTTCTACTTCTGGAAGGGGAATGACAATCACATTTAC
 AATGTTTCATTACAGTATGAGTATCAATGGGAACTACAAGATGGGTCAATGAAAATAGATGCTGTGAACA
 ACTTGGAGACCTTTAAAAAGGGAAGCGGAGCGGAAGAAGCAATTGAAGTCAACGATTTTAAAAATGGCAT
 CACTGGGATCCGTTTTGCTGGAGGAGAGAAGTGTACATCAAAGCACAGGTGAAGGCTCGCATCCCTGAG
 GTGGGCACAGTGACCAAGCAGAGCATCTCTGAACTGGAAGGCAAGATCATGCCAGCTAACTCGAAGAGA
 ACTCGCTGATTTGGGTGGCCGTGGACCAGCCTGTGAAGGACAGCAGCTTCTTGAGCTCTAAAATCCTTGA
 ACTCTGTGGCGACCTGCCGATTTTCTGGCTTAAGCCCATGTATCCAAAAGAAATCCAGAGAGAGAGAAGA
 GAAGTCGTGAGAAACAGTGTCCCTCTACCACAAGAAGACCACACAGCGAACCTCGAGGTAAACGCAGGCC
 CTGGAAGACTGAGTAACGGAACAGACCAATGTTTCAGGACGACGCAGAACCTTTCAACCCTGACATCC
 TTACCACCAGCAGGAAGGAGAAAGCATGACATTTGACCCTAGACTGGACCATGAAGGGATCTGCTGTATA
 GAATGCAGGCGGAGCTACACCCACTGCCAGAAGATCTGTGAACCACTGGGAGGCTACTATCCATGGCCTT
 ACAATTACCAAGGATGCCGCTCGGCCTGCAGAGTCGTATGCCATGCAGCTGGTGGGTGGCCGCATCTT
 GGGCATGGTGTAAATCCAGTTCATCTATCAGGACTGCCAAGCAAGAATCGATATGAGAGTTGAGAACCA
 AGAAGCATAGAGCATGTCCATGCCAAGAGACCACAAAGTATTTTATTTCAACCTGAATAATGTTATCCT
 AAACGCTGTTGTGCACCCTGTGTGCAAATGTGCTGAAAGGGTAGTTTAACTCTACAATTATTATCATT
 TACGACTTGCTTTACCAATAAAGCCTACTGCAAGTCTTTAAAAGTACTTTTAAAATAAATATGAAAAC
 TAAAAAAAAAAAAAAAAA

Restriction Sites:	RsrII-NotI
ACCN:	NM_010701
Insert Size:	1005 bp



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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:	BC045152 , AAH45152
RefSeq Size:	1347 bp
RefSeq ORF:	1005 bp
Locus ID:	16840
UniProt ID:	Q9Z1F6
Cytogenetics:	14 D3
Gene Summary:	<p>Bifunctional growth regulator that stimulates the growth of cultured chondrocytes in the presence of basic fibroblast growth factor (FGF) but inhibits the growth of cultured vascular endothelial cells. May contribute to the rapid growth of cartilage and vascular invasion prior to the replacement of cartilage by bone during endochondral bone development (By similarity). Inhibits in vitro tube formation and mobilization of endothelial cells (By similarity). Plays a role as antiangiogenic factor in cardiac valves to suppress neovascularization. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the central coding region, compared to variant 1. The encoded isoform (2) has the same N- and C- termini, but is four amino acids shorter than isoform 1.</p>