

Product datasheet for MC203822

Grem1 (NM_011824) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Grem1 (NM_011824) Mouse Untagged Clone
Tag: Tag Free
Symbol: Grem1
Synonyms: Cktsf1b1; Drm; Grem; Id
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC015293
 CCAGAGTACCGTGGTAGCGGCGCTCTCCTTCGTCTTCTCCCGCTCGAGCCCAAGTGGCTCGAGCCGGG
 GTCTCACGCAGCCCACTCGTCCACAGCGAAGAAGCTGAGGACCCACGGAAGTGACAGAATGAATCGCAC
 CGCATACACTGTGGGAGGTTGCTTCTCCTCCTGGGACCCACTACTGCCAACAGCTGAGGGGAAAAAGAAA
 GGTTCCTCAAGGAGCCATTCCGCCTCTGACAAGGCTCAGCACAATGACTCTGAGCAGACCCAGTCCCCAC
 CACAACCTGGCTCCAGGACCCGGGGGCGGGGCCAGGGGCGGGGCACCGCCATGCCTGGAGAGGAGGTGCT
 TGAGTCCAGCCAAGAGGCCCTGCACGTGACAGAGCGCAAGTATCTGAAGCGAGATTGGTGCAAACTCAG
 CCCCTGAAGCAGACCATCCACGAGGAGGGCTGCAACAGCCGCACTATCATCAACCGCTTCTGTTATGGCC
 AGTGAACCTCTTCTACATCCCCAGGCACATCCGAAAGGAGGAAGGGTCTTTTCAGTCTTGCTCCTCTG
 CAAGCCCAAGAAGTTCACCACCATGATGGTCACACTCACTGCTGAGCTACAGCCACCCACCAAGAAG
 AAAAGGGTCACACGCGTGAAGCAGTGGCGTTGCATATCCATCGACTTGGATTAAGTCAAAGCGGGCACAT
 TCAGCCTGTCATAGCCATGCTGAGAGAGCCACACCCAAACACCCGATTCTACTTGGCTTAAACCTAGA
 GGCCAGAAGAACCAGCAGTTGCTTCTGGCTGGAGGCTGCTTATGCATAGTGTATGCGCATGAGTGTGCA
 TGGGTGCCTGTGGGTGTTTCAAACACCAGCCGAAACAGCCTTTGCTAGAAAGGCACTTCTGTTACTCT
 GCTTCAGATGGTCGAAATGCCACACCACTGGACCCAAACATCCACAGGGGCAGGGCTGTAGTTGGCTT
 TGTCAATGTTCCATGTGCCTCCTGGGCACAGGATTTCACTTGAGAATGAATACTAATGGGGGAGGTA
 ACTCTGAGGGCTGATTAGACTCGGAAGTGTTCAGTGTGCGCCATGCTCCCATAGCCCATCCCTTTCT
 TTGCTCTCCCTGACATCTCAGTCGTAGCCCATGTTCTAAATTAATTCATTGACCGCGGGTGAAGTCT
 TTTGCTTTGTAAGAACCTTCAGAATGTGGGGAGACAGTGGTGATGGCAAACGGGACAGAGGACTGACG
 CAGGAACGGTCAGGCTGAGGACCACTGAGGAGTGGCCAGTGAATTCAGTAGTGAGATGTCTAGAGTTTAAAG
 TTGTTTCCAAAAACAATATTAGTCTTGTGTTTTAGCAAAAGGGTTTTCTGATATTTAAAAGAACCCAGAC
 ACACAGAGGAAAAATATAATCAGCAAAAAAACAACAAAAAATAACACAACAATAACAACAACAAC
 AAACAAAAACCAATTCTCTGTGCCAGCTTCTGTGACCTACTGATACTAGCTGTAAGTACTAGCTGT
 TAAGGGTGAAATGCTGACCACTCCTGTTTTAAGAACCAAGTGAATTAAGAAAGAAAAATGTGCCTCCTA
 AA

Restriction Sites: RsrII-NotI



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ACCN:	NM_011824
Insert Size:	555 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:	BC015293 , AAH15293
RefSeq Size:	1674 bp
RefSeq ORF:	555 bp
Locus ID:	23892
UniProt ID:	O70326
Cytogenetics:	2 57.43 cM
Gene Summary:	Cytokine that may play an important role during carcinogenesis and metanephric kidney organogenesis, as BMP a antagonist required for early limb outgrowth and patterning in maintaining the FGF4-SHH feedback loop (PubMed:12808456, PubMed:15201225). Down-regulates the BMP4 signaling in a dose-dependent manner (PubMed:15133038). Antagonist of BMP2; inhibits BMP2-mediated differentiation of osteoblasts (in vitro) (By similarity). Acts as inhibitor of monocyte chemotaxis (By similarity).[UniProtKB/Swiss-Prot Function]