

Product datasheet for **MC206204**

Grem2 (BC079905) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grem2 (BC079905) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Grem2
Synonyms:	Gremlin2; Prdc
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC079905

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CCACATCTGCAGGCGCGCTGGGACGCGCTCCGCCCTCTGTGCGCTCCACTGGGCTCCGCTCGTCCGCA
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ACCGGATTGGGACAGAGGTGTGTACAGAGGAGTCACTAGGAAGCTGTAAAGATTAAGGACCGTGTGAG
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ACCTTGACAAAACCTGAAAAAAAAAAAAAAAAAAAAA
    
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- Restriction Sites:** Ascl-NotI
- ACCN:** BC079905
- Insert Size:** 507 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:** [BC079905](#), [AAH79905](#)

RefSeq Size: 3746 bp

RefSeq ORF: 507 bp

Locus ID: 23893

Cytogenetics: 1 H3

Gene Summary: Cytokine that inhibits the activity of BMP2 and BMP4 in a dose-dependent manner, and thereby modulates signaling by BMP family members. Contributes to the regulation of embryonic morphogenesis via BMP family members. Antagonizes BMP4-induced suppression of progesterone production in granulosa cells.[UniProtKB/Swiss-Prot Function]