

Product datasheet for **MG201393**

Grem2 (NM_011825) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Grem2 (NM_011825) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Grem2
Synonyms: Gremlin2; Prdc
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201393 representing NM_011825
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCTGGAAGCTCTCGCTGACCTTGCTCCTGGTGGCTGTGCTGGTAAAGGTAGCTGAAACACGGAAGA
ACCGGCCTGCGGGCGCCATCCCCTCGCCTTACAAGGATGGTAGCAGCAACAACCTCAGAGAGGTGGCATCA
CCAGATCAAGGAGGTGCTGGCCTCCAGCCAGGAGGCCCTGGTAGTCACCGAGCGCAAGTACCTCAAGAGT
GACTGGTGAAGACGCAGCCTCTCGGCAGACAGTGAGCGAGGAGGGTTGCCGACGCCACCATCTCA
ACCGCTTCTGCTACGGCCAGTGAACCTCTTCTACATCCCGCAGACAGTGAAGAAGGAGGAGGACTCCTT
CCAATCTGCGCTTTCTGCAAGCCCAGCGTGTACCTCTGTATCGTAGAGCTCGAATGCCCGGTCTC
GACCCACCTTTCCGAATCAAGAAAATCCAGAAGGTGAAGCATTGCCGGTGCATGTGAGTGAACCTGAGTG
ACTCCGACAAGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201393 representing NM_011825
Red=Cloning site Green=Tags(s)

MFWKLSTLLLVAVLVKVAETRNRPAGAIKPSYKDGSSNNSERWHHQIKEVLASSQEALVVTERRKYLKSD
DWCKTQPLRQTVSEEGCRSRTILNRFYGCNSFYIPRHVKKEEDSFQSCAFCKPQRVTSVIVELECPGL
DPPFRIKKIQKVKHCRMSVNLSDSDKQ

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



[View online »](#)

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>NM_011825.1</u> , <u>NP_035955.1</u>
RefSeq Size:	3745 bp
RefSeq ORF:	507 bp
Locus ID:	23893
UniProt ID:	<u>O88273</u>
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]