

Active Recombinant Mouse Grem2

Cat. No. Grem2-666M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Grem2 (Accession # NP_035955) Arg22-Gln168, fused with an N-terminal Met, was produced in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Arg22-Gln168
Predicted N Terminal	Met
Form	Lyophilized from a 0.2 µ filtered solution in Acetonitrile and TFA with BSA as a carrier protein.
Bio-activity	Measured by its ability to inhibit BMP-4-induced activity in MC3T3-E1 mouse preosteoblast cells. The ED50 for this effect is typically 0.03 - 0.12 µg/mL in the presence of 50 ng/mL of rhBMP-4.
Molecular Mass	Recombinant Mouse Grem2, Met-tagged has a calculated MW of 17.1 kDa (monomer).
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3

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months (-70°C).

GENE INFORMATION

Gene Name	Grem2 gremlin 2 homolog, cysteine knot superfamily (Xenopus laevis) [Mus musculus]
Official Symbol	Grem2
Synonyms	GREM2; gremlin 2 homolog, cysteine knot superfamily (Xenopus laevis); gremlin-2; Gremlin1; protein related to DAN and cerberus; cysteine knot superfamily 1, BMP antagonist 2; Prdc; Gremlin2;
Gene ID	23893
mRNA Refseq	NM_011825
Protein Refseq	NP_035955
MIM	

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