

Active Recombinant Mouse Grem1 Protein, His-tagged

Cat. No. Grem1-824M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse GREM1 (O70326) (Met1-Asp184) was fused with a polyhistidine tag at the C-terminus.
Species	Mouse
Source	Insect Cells
ProteinLength	1-184 a.a.
Predicted N Terminal	Lys 25
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% gly, 0.5mM EDTA, 3mM DTT1, 5%~8% trehalose and mannitol.
Bio-activity	Measured by its ability to inhibit recombinant human BMP4 induced alkaline phosphatase production by MC3T3-E1 cells. The ED50 for this effect is typically 1-7 µg/mL in the presence of 50 ng/mL of recombinant human BMP4.
Molecular Mass	The recombinant mouse GREM1 consists of 171 amino acids and has a calculated molecular mass of 19.7 kDa. The recombinant protein migrates as an approximately 25 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>97 % as determined by SDS-PAGE.

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Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GENE INFORMATION	
Gene Name	Grem1 gremlin 1 [Mus musculus]
Official Symbol	Grem1
Synonyms	GREM1; gremlin 1; gremlin-1; down-regulated in v-mos-transformed cells; cysteine knot superfamily 1, BMP antagonist 1; down-regulated in Mos-transformed cells protein; Id; Drm; Grem; Cktsf1b1;
Gene ID	23892
mRNA Refseq	NM_011824
Protein Refseq	NP_035954
MIM	
UniProt ID	
Function	cytokine activity;