

Active Recombinant Human GREM1 Protein, His-tagged

Cat. No. GREM1-1004H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GREM1 (Accession # O60565) Lys25-Asp184, fused with a C-terminal 10-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
ProteinLength	Lys25-Asp184
Predicted N Terminal	Lys25
Form	Lyophilized from a 0.2 µm filtered solution in PBS and EDTA.
Bio-activity	Measured by its ability to inhibit proliferation in MC3T3-E1 mouse preosteoblast cells. The ED50 for this effect is typically 0.025-0.15 µg/mL in the presence of 30 ng/mL of Recombinant Human BMP-4.
Molecular Mass	Recombinant Human GREM1, His-tagged has a calculated MW of 19.7 kDa. In SDS-PAGE migrates as 25-30 kDa, under reducing conditions.
Purity	>90%, by SDS-PAGE with silver staining.
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 months (-70°C).

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GENE INFORMATION

Gene Name	GREM1 gremlin 1 [Homo sapiens]
Official Symbol	GREM1
Synonyms	GREM1; gremlin 1; CKTSF1B1, cysteine knot superfamily 1, BMP antagonist 1 , gremlin 1, cysteine knot superfamily, homolog (Xenopus laevis); gremlin-1; DAND2; DRM; gremlin; gremlin 1-like protein; DAN domain family member 2; increased in high glucose-2; proliferation-inducing gene 2; increased in high glucose protein 2; cell proliferation-inducing gene 2 protein; cysteine knot superfamily 1, BMP antagonist 1; gremlin 1, cysteine knot superfamily, homolog; down-regulated in Mos-transformed cells protein; PIG2; IHG-2; GREMLIN; CKTSF1B1; MGC126660;
Gene ID	26585
mRNA Refseq	NM_001191322
Protein Refseq	NP_001178251
MIM	603054
UniProt ID	O60565
Chromosome Location	15q13.3

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