

# Active Recombinant Human GREM1 Protein, His-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human GREM1 (Accession # O60565) Lys25-Asp184, fused with a C-terminal 10-His tag, was produced in Mouse myeloma cell line, NS0-derived.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>ProteinLength</b>	Lys25-Asp184
<b>Predicted N Terminal</b>	Lys25
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in PBS and EDTA.
<b>Bio-activity</b>	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.
<b>Molecular Mass</b>	Recombinant Human GREM1, His-tagged has a calculated MW of 19.7 kDa. In SDS-PAGE migrates as 25-30 kDa, under reducing conditions.
<b>Purity</b>	>90%, by SDS-PAGE with silver staining.
<b>Storage</b>	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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