

Gremlin 1 Active Protein | GREM1 active protein

Active Gremlin 1 (GREM1)

CATALOG #
AAA150126

APPLICATIONS
Activity Assay, Cell Culture

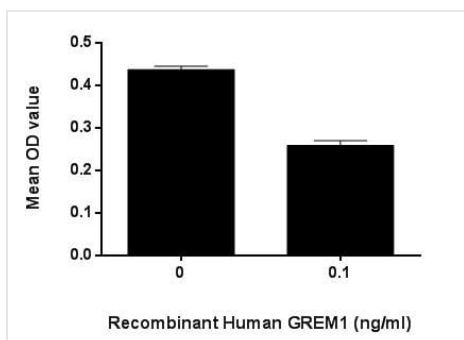
PRODUCT SYNONYMS

Gremlin 1; Active Gremlin 1 (GREM1); PIG2; CKTSF1B1; DAND2; IHG-2; DRM; Increased in high glucose protein 2; Cell proliferation-inducing gene 2 protein; Cysteine knot superfamily 1; BMP antagonist 1; GREM1 active protein

PRODUCT SPECIFICATIONS

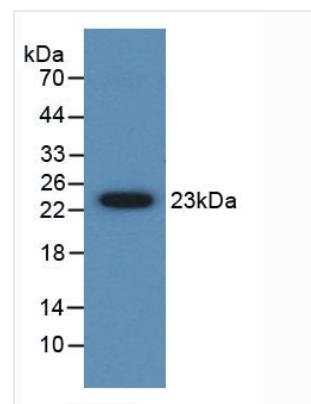
Purity/Purification	>97%
Form/Format	Freeze-dried powder 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Sequence Positions	Lys26~Asp184
Sequence Length	143
Applicable Applications for GREM1 active protein	Activity Assay, Cell Culture
Species	Human
Tag	N-terminal His Tag
Isoelectric Point	9
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Avoid repeated freeze/thaw cycles. Stability: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



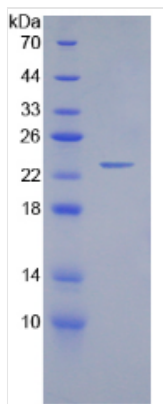
Application Data

Figure. Inhibition of 3T3 cell proliferation after stimulated with GREM1.



WB (Western Blot)

Figure. Western Blot



SDS-PAGE
Figure. SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for GREM1 active protein	Signal transduction; Tumor immunity; Developmental science; Bone metabolism
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NCBI AND UNIPROT INFORMATION

NCBI GI #	300797328
NCBI GeneID	26585
NCBI Accession #	NP_001178252.1
NCBI GenBank Nucleotide #	NP_001178252.1
UniProt Accession #	O60565
Molecular Weight	Predicted Molecular Mass: 24.9kDa Accurate Molecular Mass: 23kDa
NCBI Official Full Name	gremlin-1 isoform 2
NCBI Official Synonym Full Names	gremlin 1, DAN family BMP antagonist
NCBI Official Symbol	GREM1
NCBI Official Synonym Symbols	DRM; HMPS; MPSH; PIG2; CRAC1; CRCS4; DAND2; HMPS1; IHG-2; DUP15q; C15DUPq; GREMLIN; CKTSF1B1
NCBI Protein Information	gremlin-1
UniProt Protein Name	Gremlin-1
UniProt Gene Name	GREM1
UniProt Synonym Gene Names	CKTSF1B1; DAND2; DRM; IHG-2
UniProt Entry Name	GREM1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/grem1-active-protein/gremlin-1/150126>