

Product datasheet for **AR31150PU-N**

Gremlin-1 / GREM1 Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Gremlin-1 / GREM1 human recombinant protein, 25 µg
Species:	Human
Expression Host:	E. coli
Predicted MW:	19.7 kDa
Purity:	>95% pure by SDS-PAGE and visualised by silver stain
Buffer:	Presentation State: Purified State: Lyophilized purified fraction Buffer System: PBS Stabilizer: None
Bioactivity:	Biological: The biological activity was determined by the induction of proliferation in NHDF cells (Normal Human Dermal Fibroblasts).
Reconstitution Method:	We recommend a quick spin followed by reconstitution in water to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.
Preparation:	Lyophilized purified fraction
Protein Description:	Recombinant Human FGR-4. Result by N-terminal sequencing: MAPTAPNGTL
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001178251
Locus ID:	26585
UniProt ID:	B3KTR9
Cytogenetics:	15q13.3



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Synonyms: C15DUPq; CKTSF1B1; CRAC1; CRCS4; DAND2; DRM; DUP15q; GREMLIN; HMPS; HMPS1; IHG-2; MPSH; PIG2

Summary: This gene encodes a member of the BMP (bone morphogenic protein) antagonist family. Like BMPs, BMP antagonists contain cystine knots and typically form homo- and heterodimers. The CAN (cerberus and dan) subfamily of BMP antagonists, to which this gene belongs, is characterized by a C-terminal cystine knot with an eight-membered ring. The antagonistic effect of the secreted glycosylated protein encoded by this gene is likely due to its direct binding to BMP proteins. As an antagonist of BMP, this gene may play a role in regulating organogenesis, body patterning, and tissue differentiation. In mouse, this protein has been shown to relay the sonic hedgehog (SHH) signal from the polarizing region to the apical ectodermal ridge during limb bud outgrowth. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2010]

Protein Families: ES Cell Differentiation/IPS, Secreted Protein

Product images:

