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Product datasheet for AR26008PU-N

Gremlin-1 / GREM1 Mouse Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Gremlin-1 / GREM1 mouse recombinant protein, 50 µg
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MKKKGSQGAI PPPDKAQHND SEQTQSPPQP GSRTRGRGQG RGTAMPGEEV LESSQEALHV TERKYLKRDW CKTQPLKQTI HEEGCNSRTI INRFCYGQCN SFYIPRHIRK EEGSFQSCSF CKPKKFTMMV TLNCPELQPP TKKKRVTRVK QCRCISIDLD
Predicted MW:	28 kDa
Purity:	>95% by SDS-PAGE & Silver staining
Buffer:	Presentation State: Purified State: Lyophilized protein Buffer System: 50 mM acetic acid, without stabilizers
Endotoxin:	< 0.1 ng per µg of Grem1
Reconstitution Method:	Mouse Grem1 should be reconstituted in 50mM acetic acid or water to a concentration of 0.1 mg/ml. This solution can be diluted in water or other buffer solutions.
Preparation:	Lyophilized protein
Protein Description:	Recombinant mouse Gremlin-1 / GREM1, aa. 160
Note:	Protein RefSeq: NP_035954.1 mRNA RefSeq: NM_011824
Storage:	The lyophilized protein is stable at room temperature for up to 1 week or at -20 °C for longer. Following reconstitution store (in aliquots) at -20 °C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_035954
Locus ID:	23892
UniProt ID:	O70326, Q3TNY7
Cytogenetics:	2 57.43 cM
Synonyms:	Cktsf1b1; Drm; Grem; ld

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Summary: Cytokine that may play an important role during carcinogenesis and metanephric kidney organogenesis, as BMP a antagonist required for early limb outgrowth and patterning in maintaining the FGF4-SHH feedback loop (PubMed:12808456, PubMed:15201225). Down-regulates the BMP4 signaling in a dose-dependent manner (PubMed:15133038). Antagonist of BMP2; inhibits BMP2-mediated differentiation of osteoblasts (in vitro) (By similarity). Acts as inhibitor of monocyte chemotaxis (By similarity).[UniProtKB/Swiss-Prot Function]

Product images: