

Recombinant Human gremlin 2, DAN family BMP antagonist, His-tagged

Cat. No. GREM2-534H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GREM2, 22-168aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	22-168 a.a.
Description	GREM2 is 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 protein belongs, is characterized by a C-terminal cystine knot with an eight-membered ring. The antagonistic effect of the secreted glycosylated protein is likely due to its direct binding to BMP proteins. As an antagonist of BMP, this protein may play a role in regulating organogenesis, body patterning, and tissue differentiation. Recombinant human GREM2 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	19 kDa (170aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSRKNRPAAG AIPSPYKDGS SNNSEWQHQ IKEVLASSQE ALVVTERKYL KSDWCKTQPL RQTVSEEGCR SRTILNRFY

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GQCNSFYIPR HVKKEEESFQ SCAFCKPQRV TSVLVELECP GLDPPFRLKK
IQKVKQCRCM SVNLSDSKQ

Purity >85% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [GREM2 gremlin 2 \[Homo sapiens \]](#)

Official Symbol GREM2

Synonyms GREM2; gremlin 2; gremlin 2, cysteine knot superfamily, homolog (Xenopus laevis); gremlin-2; CKTSF1B2; DAND3; FLJ21195; Prdc; protein related to DAN and cerberus; DAN domain family member 3; cysteine knot superfamily 1, BMP antagonist 2; gremlin 2, cysteine knot superfamily, homolog; PRDC;

Gene ID [64388](#)

mRNA Refseq [NM_022469](#)

Protein Refseq [NP_071914](#)

MIM [608832](#)

UniProt ID [Q9H772](#)

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Chromosome Location	1q43
Pathway	Signal Transduction, organism-specific biosystem; Signaling by BMP, organism-specific biosystem;
Function	cytokine activity;

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