

Recombinant Human Gremlin 2, His-tagged

Cat. No. GREM2-2614H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human Gremlin-2 is a N-terminus His-tagged protein that was expressed from <i>E. coli</i> . MW = 17.2 kDa.
Species	Human
Source	E.coli
Description	Gremlin (also known as Increased in High Glucose Protein 2, IHG-2, Down-regulated in Mostransformed cells protein, Drm) functions as a bone morphogenetic protein (BMP) antagonist. It acts by binding to, and forming heterodimers with BMP-2, BMP-4, BMP-7, thus preventing them from interacting with their cell surface receptors.
Purity	>95% by SDS-PAGE and HPLC analyses. Endotoxin level is <0.1 ng per µg of Gremlin-2.
Form	Lyophilized with no additives.
Reconstitution	Centrifuge the vial prior to opening. Reconstitute to 1 mg/ml with sterilized dH ₂ O. Pipette to dissolve the protein pellet completely.
Storage	The lyophilized protein is best-stored desiccated below 0°C. Reconstituted protein should be stored at working aliquots at -20°C. Avoid freeze/thaw cycles.

GENE INFORMATION

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Gene Name	GREM2 gremlin 2 [Homo sapiens]
Synonyms	GREM2; gremlin 2; PRDC; DAND3; CKTSF1B2; gremlin-2; DAN domain family member 3; protein related to DAN and Cerberus; cysteine knot superfamily 1, BMP antagonist 2; gremlin 2, cysteine knot superfamily, homolog; gremlin 2, cysteine knot superfamily, homolog (Xenopus laevis)
Gene ID	64388
mRNA Refseq	NM_022469
Protein Refseq	NP_071914
MIM	608832
UniProt ID	Q9H772
Chromosome Location	1q43
Pathway	Signaling by BMP
Function	cytokine activity