

Recombinant Full Length Human GREM2 Protein, GST-tagged

Cat. No. GREM2-5608HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GREM2 full-length ORF (AAH46632.1, 1 a.a. - 168 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	168 amino acids
Description	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. [provided by RefSeq]
Molecular Mass	44.22 kDa
AA Sequence	MFWKLSLSLFMVAVLVKVAEARKNRPAGAIHSPYKDGSSNNSEWQHQIKEVLASS QEALVVTERKYLKSDWCKTQPLRQTVSEEGCRSRTILNRFCCGQCNSFYIPRHVKK EEESFQSCAFCKPQRVTSVLVELECPGLDPPFRLKKIQKVKQCRCMSVNLSDSDKQ
Applications	Enzyme-linked Immunoabsorbent Assay

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	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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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