

## Product datasheet for **TP762628**

### **GREM2 (NM\_022469) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human gremlin 2 (GREM2), full length, with N-terminal GST and C-terminal His tag, expressed in E.coli, 50ug
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	A DNA sequence encoding the region full length of GREM2
<b>Tag:</b>	N-GST and C-HIS
<b>Predicted MW:</b>	19.4 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	50 mM Tris-HCl, pH 8.0, 8 M urea
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_071914</a>
<b>Locus ID:</b>	64388
<b>UniProt ID:</b>	<a href="#">Q9H772</a>
<b>RefSeq Size:</b>	4199
<b>Cytogenetics:</b>	1q43
<b>RefSeq ORF:</b>	504
<b>Synonyms:</b>	CKTSF1B2; DAND3; PRDC; STHAG9



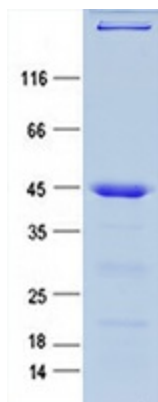
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**Summary:**

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. [provided by RefSeq, Jul 2008]

**Protein Families:**

Secreted Protein

**Product images:**

Purified recombinant protein GREM2 was analyzed by SDS-PAGE gel and Coomossie Blue Staining.