

## Product datasheet

# Recombinant Human Gremlin 1 protein ab112406

### 画像数 1

#### 製品の概要

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製品名	Recombinant Human Gremlin 1 protein
タンパク質長	Protein fragment

#### 製品の詳細

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由来	Recombinant
由来	Wheat germ
アミノ酸配列	
アクセッション番号	<a href="#">O60565</a>
生物種	Human
配列	KKKGSQGAIPPPDKAQHNDSEQTQSPQQPGSRNRGRGQGRGTAMPGEEVL ESSQEALHVTERKYLKRDWCKTQPLKQTIHEEGNSRTIINRFCYGQC NS
分子量	37 kDa including tags
領域	25 to 124

#### 特性

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Our [Abpromise guarantee](#) covers the use of **ab112406** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

生理活性	This product is useful for Antibody Production and Protein Array
アプリケーション	ELISA Western blot Peptide Array SDS-PAGE
製品の状態	Liquid
備考	Best use within three months from the date of receipt This product is useful for Antibody Production and Protein Array

#### 前処理および保存

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## 保存方法および安定性

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.79% Tris HCl, 0.31% Glutathione

Note: Glutathione is reduced.

## 関連情報

### 機能

Cytokine that may play an important role during carcinogenesis and metanephric kidney organogenesis, as a BMP antagonist required for early limb outgrowth and patterning in maintaining the FGF4-SHH feedback loop. Down-regulates the BMP4 signaling in a dose-dependent manner. Acts as inhibitor of monocyte chemotaxis.

### 組織特異性

Highly expressed in small intestine, fetal brain and colon. Expression is restricted to intestinal subepithelial myofibroblasts (ISEMFs) at the crypt base. In subjects with HMPS1, by contrast, GREM1 is expressed, not only in basal ISEMFs, but also at very high levels in epithelial cells (predominantly colonocytes), with expression extending most of the way up the sides of the crypt. Weakly expressed in brain, ovary, prostate, pancreas and skeletal muscle. In brain found in the region localized around the internal capsule in the large subcortical nuclei, including caudate, putamen, substantia nigra, thalamus and subthalamus. Predominantly expressed in normal cells including neurons, astrocytes and fibroblasts.

### 関連疾患

Polyposis syndrome, mixed hereditary 1

### 配列類似性

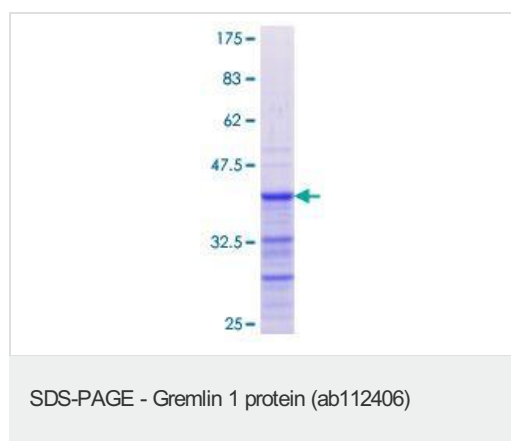
Belongs to the DAN family.

Contains 1 CTCK (C-terminal cystine knot-like) domain.

### 細胞内局在

Secreted.

## 画像



Analysis of ab112406 in 12.5% SDS-PAGE  
(stained with Coomassie Blue)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <http://www.abcam.co.jp/abpromise> or contact our technical team.

### **Terms and conditions**

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- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors