

## Product datasheet

# Recombinant human Angiopoietin 2 protein ab123226

### 製品の概要

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製品名	Recombinant human Angiopoietin 2 protein
タンパク質長	Protein fragment

### 製品の詳細

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由来	Recombinant
由来	CHO cells

### アミノ酸配列

アクセッション番号 [O15123](#)

生物種 Human

配列  
 DAPLEYDDSV QRLQVLENIM ENNTQWLMKL  
 ENYIQDNMKK EMVEIQQNAV QNQTAVMIEI  
 GTNLLNQTAE QTRKLTDEVA QVLNQTTTRLE  
 LQLLEHSLST NKLEKQILDQ TSEINKLQDK  
 NSFLEKKVLA MEDKHIIQLQ SIKEEKDQLQ  
 VLVSKQNSII EELEKKIVTA TVNNSVLQKQ  
 QHDLMETVNN LLTMMSTSNS AKDPTVAKEE  
 QISFRDCAEV FKSGHTTNGI YT

領域 68 to 299

タグ His tag C-Terminus

### 特性

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Our [Abpromise guarantee](#) covers the use of **ab123226** 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 Determined by its ability to stimulate tubulogenesis in HUVEC cells using a concentration of 0.2µg/ml.

アプリケーション  
 SDS-PAGE  
 HPLC  
 Functional Studies

エンドトキシン・レベル < 0.100 Eu/µg

精製度 > 95 % SDS-PAGE.

Purity is greater than 95% by SDS-PAGE gel and HPLC analyses.

#### 製品の状態

Lyophilised

#### 備考

Determined by its ability to stimulate tubulogenesis in HUVEC cells using a concentration of 0.2µg/ml.

#### 前処理および保存

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##### 保存方法および安定性

Shipped at 4°C. Store at -20°C.

This product is an active protein and may elicit a biological response in vivo, handle with caution.

##### 再構成

We recommend storing the lyophilised product at -20°C. If the product has been reconstituted, then we recommend storing with a carrier protein, such as 0.1% BSA in working aliquots at -20°C to -80°C for 3 months.

#### 関連情報

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##### 機能

Can induce tyrosine phosphorylation of TIE2. Binds to TIE2 receptor and counteracts blood vessel maturation/stability mediated by angiopoietin-1. Its function may be context-dependent. In the absence of angiogenic inducers, such as VEGF, ANG2-mediated loosening of cell-matrix contacts may induce endothelial cell apoptosis with consequent vascular regression. In concert with VEGF, it may facilitate endothelial cell migration and proliferation, thus serving as a permissive angiogenic signal.

##### 配列類似性

Contains 1 fibrinogen C-terminal domain.

##### ドメイン

The Fibrinogen C-terminal domain mediates interaction with the TEK/TIE2 receptor.

##### 細胞内局在

Secreted.

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

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- Replacement or refund for products not performing as stated on the datasheet
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- 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.

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