

Product datasheet

Recombinant human Angiopoietin 2 protein ab123226

製品の概要

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

製品の詳細

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

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

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

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.

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