

Recombinant human VEGFE protein ab53679

画像数 2

製品の詳細

製品名	Recombinant human VEGFE protein
生理活性	The ED ₅₀ for stimulation of 3H-thymidine incorporation and cell proliferation by human umbilical vein endothelial cells for VEGFE has been determined to be in the range of 5 - 20 ng/ml. Specific activity: 2 x 10 ⁵ units/mg.
精製度	> 90 % SDS-PAGE. Purity: > 90%, by SDS-PAGE and visualised by silver stain. Endotoxin level: < 0.1 ng per ug of VEGFE.
発現系	Escherichia coli
アクセッション番号	<u>Q9YMF3</u>
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
生物種	Human
配列	MGSSHHHHHHSSGLVPRGSHDSTKTWSEVFENS GCKPRPMVF RVHDEHPE LTSQRFNPPCVTLMRCGGCCNDESLECVPTEEANVTMQLMGA SVSGGNGM QHLSFVEHKKCDCKPPLTTTPPTTTRPPRRRR
領域	21 to 81
タグ	His tag N-Terminus
配列の追加情報	Recombinant VEGFE with an N-terminal His-tag sequence and a thrombin cleavage site. GenBank accession No. AF106020.

特性

Our **Abpromise guarantee** covers the use of **ab53679** in the following tested applications.

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

アプリケーション	SDS-PAGE Functional Studies
製品の状態	Lyophilized
備考	Like VEGFA, VEGFE was found to bind with high affinity to VEGF receptor-2 (KDR) resulting in receptor autophosphorylation, whilst in contrast to VEGFA, VEGFE can not bind to VEGF

receptor-1 (Flt-1). Furthermore VEGFE can also not bind to VEGF receptor-3 (FLT-4). Therefore VEGFE is a potent angiogenic factor selectively binding to VEGF receptor –2/KDR.

前処理および保存

保存方法および安定性

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Constituent: PBS

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

再構成

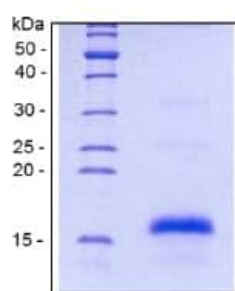
The lyophilised VEGFE is soluble in water and most aqueous buffers. The lyophilised VEGFE should be reconstituted in PBS or medium containing at least 0.1% human or bovine serum albumin to a concentration not lower than 50 µg/ml.

関連情報

関連性

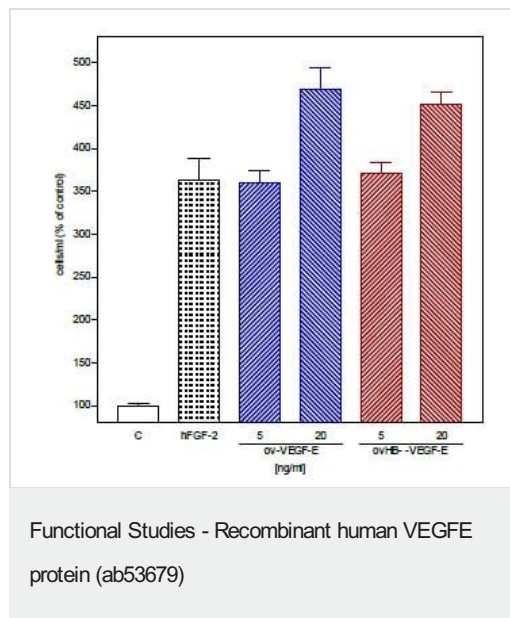
Based on sequence similarity to VEGFA, a gene encoding a VEGF homologue has recently been discovered in the genome of Orf virus (OV) (Lyttle et al., 1994). Different isolates of Orf virus show significant amino acid sequence similarity to VEGFA and described as a viral virulence factor that appears to be derived from captured host genes. All eight cysteine residues of the central cysteine knot motif characteristic of members of the VEGF family are conserved among other residues in the VEGFE proteins (Dehio et al., 1999; Wise et al., 1999). Alignment of all mammalian VEGF sequences indicated that VEGFE is distinct from the previously described VEGFs but most closely related to VEGFA.

画像



SDS-PAGE analysis of recombinant ov-VEGF-E. Sample was loaded in 15% SDS-polyacrylamide gel under reducing conditions and stained with Coomassie blue.

SDS-PAGE - Recombinant human VEGFE protein
(ab53679)



Stimulation of cell proliferation in primary human umbilical vein endothelial cells (HUVEC) by recombinant ov-VEGF-E and ov-HB-VEGF-E. Values are the means (\pm SD) of triplicate determinations and expressed as percentage of control.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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 <https://www.abcam.co.jp/abpromise> or contact our technical team.

Terms and conditions

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