

Recombinant human VEGF Receptor 1 protein ab54346

1 References 画像数 3

製品の詳細

製品名	Recombinant human VEGF Receptor 1 protein
生理活性	<p>The activity of sVEGFR-1 was determined by its ability to inhibit the VEGF-A-induced proliferation of HUVECs.</p> <p>Endotoxin Level: < 0.1 ng per µg of sFlt-1</p>
精製度	<p>> 90 % SDS-PAGE.</p> <p>Purified by affinity chromatography.</p>
発現系	Insect cells
アクセッション番号	<u>P17948-2</u>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	

SGSKLKDPELSLKGTQHIMQAGQTLHLQCRGEAAHKWSLPEM
VSKESERL
SITKSACGRNGKQFCSTLTLNTAQANHTGFYSCKYLAVPTSK
KKETESAI
YIFISDTGRPFVEMYSEIPEIIHMTGRELVIPCRVTSPNIT
VTLKKFPL
DTLIPDGKRRIIWDSRKGFIIISNATYKEIGLLTCEATVNGHLY
KTNYLTHR
QTNTIIDVQISTPRPVKLLRGHTLVLNCTATTPLNTRVQMTW
SYPDEKNK
RASVRRRIDQSNSHANIFYSVLTIDKMQNKDKGLYTCRVRSG
PSFKSVNT
SVHIYDKAFITVKHRKQQVLETVAGKRSYRLSMKVKAFPSPE
VVWLKDGL
PATEKSARYLTRGYSLIIKDVTEEDAGNYTILLSIKQSNVFK
NLTATLIV
NVKPQIYEKAVSSFPDPALYPLGSRQILTCTAYGIPQPTIKW
FWHPCNHN
HSEARCDFCSNNEESFILDADSNMGNRIESITQRMAIIEGKN
KMASTLVV
ADSRISGIYICIASNKVGTVGRNISFYITDVPNGFHVNLEKM

PTEGEDLK
LSCTVNKFLYRDVTWILLRTVNNRTMHYSISKQKMAITKEHS
ITLNLTIM
NVSLQDSGTYACRARNVYTGEEILQKKEITIRGEHCNKKAVF
SRISKFKS TRNDCTTQSNVKH

領域 25 to 688

配列の追加情報 VEGF Receptor 1 isoform 2 without the signal peptide

特性

Our **Abpromise guarantee** covers the use of **ab54346** 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 The lyophilized sVEGFR-1 is soluble in water and most aqueous buffers
Molecular weight: 96 kDa
Lyophilized from 50mM acetic acid

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

再構成 This protein should be reconstituted in PBS to a concentration not lower than 100 ng/ml.

関連情報

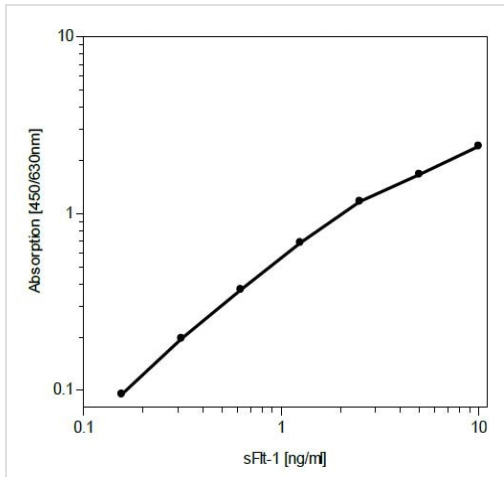
機能 Receptor for VEGF, VEGFB and PGF. Has a tyrosine-protein kinase activity. The VEGF-kinase ligand/receptor signaling system plays a key role in vascular development and regulation of vascular permeability. Isoform sFlt1 may have an inhibitory role in angiogenesis.

組織特異性 Mostly in normal lung, but also in placenta, liver, kidney, heart and brain tissues. Specifically expressed in most of the vascular endothelial cells, and also expressed in peripheral blood monocytes. Isoform sFlt1 is strongly expressed in placenta.

配列類似性 Belongs to the protein kinase superfamily. Tyr protein kinase family. CSF-1/PDGF receptor subfamily.
Contains 7 Ig-like C2-type (immunoglobulin-like) domains.
Contains 1 protein kinase domain.

細胞内局在 Secreted and Cell membrane.

画像



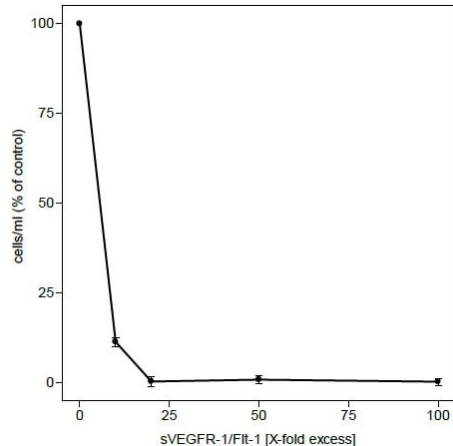
FLT-1 Sandwich-ELISA using recombinant human soluble FLT-1 as standard. Mouse anti-human FLT-1 was used as capture antibody, Biotinylated rabbit anti-human FLT-1 was used for detection.

Functional Studies - Recombinant human VEGF Receptor 1 protein (ab54346)



SDS-PAGE analysis of recombinant human soluble VEGFR-1 produced in insect cells. Sample was loaded in 15% SDS-polyacrylamide gel under reducing condition and stained with Coomassie stain.

SDS-PAGE - Recombinant human VEGF Receptor 1 protein (ab54346)



Inhibition of the VEGF165-induced proliferation in HUVECs by soluble VEGFR-1/Fit-1. VEGF165 (10ng/ml) was preincubated with increasing amounts of sVEGFR-1/Fit-1 for 1h and then added to the cells.

Functional Studies - Recombinant human VEGF
Receptor 1 protein (ab54346)

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