abcam

Product datasheet

Recombinant human VEGFC protein ab155739

1 References　画像数 3

製品の詳細

製品名	Recombinant human VEGFC protein
生理活性	Immobilized Human VEGF R3, Fc Tag at 5 µg/mL (100 µL/well) can bind Human VEGF-C, His Tag with a linear range of 2-20 ng/mL.
精製度	> 95 % SDS-PAGE. Purified by Immobilized metal affinity chromatography.
エンドトキシン・レベル	< 1.000 Eu/µg
発現系	HEK 293 cells
アクセッション番号	P49767
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	TEETIKFAAAHYNTEILKSIDNEWRKTQCMPREVCIDVGKEF GVATNTFF KPPCVSVYRCGGCCNSEGLQCMNTSTSYLSKTLFEITVPLSQ GPKPVTIS FANHTSCRCMSKLDVYRQVHSIIRR
予測される分子量	15 kDa including tags
領域	103 to 227
タグ	His tag C-Terminus

特性

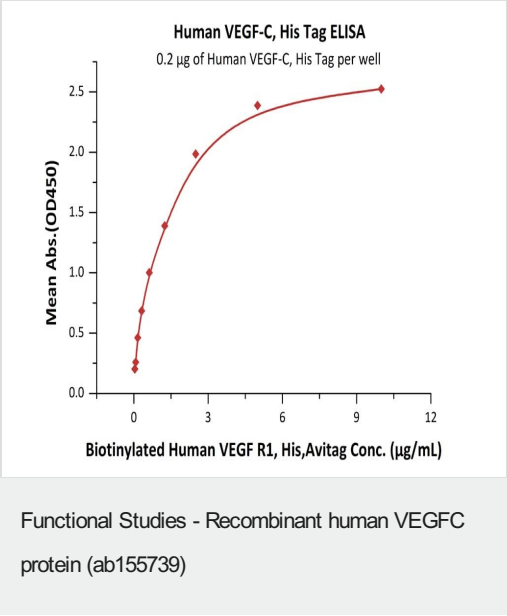Our **Abpromise guarantee** covers the use of **ab155739** in the following tested applications.

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	Functional Studies SDS-PAGE
製品の状態	Lyophilized

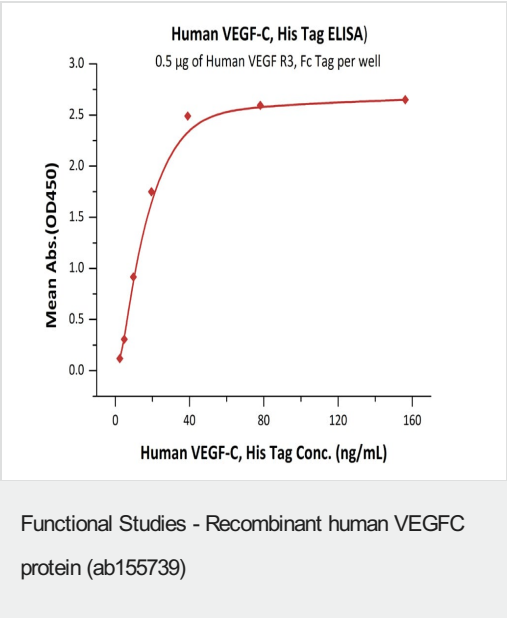## 前処理および保存

保存方法および安定性	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
	pH: 7.40
	Constituents: 95% PBS, 5% Trehalose
	Normally Mannitol or Trehalose are added as protectants before lyophilisation.
	This product is an active protein and may elicit a biological response in vivo, handle with caution.
再構成	Reconstitute with sterile deionized water to a concentration of 250 µg/ml.

関連情報

機能	Growth factor active in angiogenesis, and endothelial cell growth, stimulating their proliferation and migration and also has effects on the permeability of blood vessels. May function in angiogenesis of the venous and lymphatic vascular systems during embryogenesis, and also in the maintenance of differentiated lymphatic endothelium in adults. Binds and activates VEGFR-2 (KDR/FLK1) and VEGFR-3 (FLT4) receptors.
組織特異性	Spleen, lymph node, thymus, appendix, bone marrow, heart, placenta, ovary, skeletal muscle, prostate, testis, colon and small intestine and fetal liver, lung and kidney, but not in peripheral blood lymphocyte.
配列類似性	Belongs to the PDGF/VEGF growth factor family.
翻訳後修飾	Undergoes a complex proteolytic maturation which generates a variety of processed secreted forms with increased activity toward VEGFR-3, but only the fully processed form could activate VEGFR-2. VEGF-C first form an antiparallel homodimer linked by disulfide bonds. Before secretion, a cleavage occurs between Arg-227 and Ser-228 producing an heterotetramer. The next extracellular step of the processing removes the N-terminal propeptide. Finally the mature VEGF-C is composed mostly of two VEGF homology domains (VHDs) bound by non-covalent interactions.
細胞内局在	Secreted.

画像

Human VEGF-C, His Tag ELISA

0.2 µg of Human VEGF-C, His Tag per well

Functional Studies - Recombinant human VEGFC protein (ab155739)

Immobilized Human VEGF-C, His Tag at 2 µg/mL (100 µL/well) can bind Biotinylated Human VEGF R1, His,Avitag with a linear range of 0.02-0.625 µg/mL.

Human VEGF-C, His Tag ELISA)

0.5 µg of Human VEGF R3, Fc Tag per well

Functional Studies - Recombinant human VEGFC protein (ab155739)

Immobilized Human VEGF R3, Fc Tag at 5 µg/mL (100 µL/well) can bind Human VEGF-C, His Tag with a linear range of 2-20 ng/mL.

SDS-PAGE - Recombinant human VEGFC protein (ab155739)
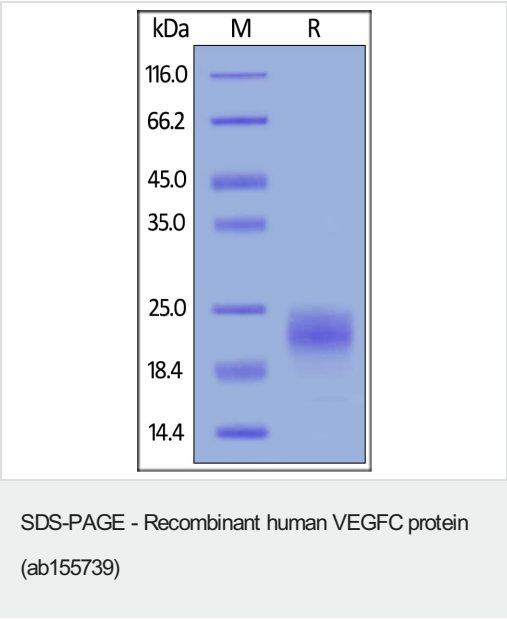
SDS-PAGE analysis of reduced ab155739 stained overnight with Coomassie Blue.

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

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