

Product datasheet

Recombinant human VEGFD protein ab125747

概述

产品名称	重组人VEGFD蛋白
蛋白长度	Protein fragment

描述

性质	Recombinant
来源	HEK 293 cells
氨基酸序列	
Accession	O43915
种属	Human
分子量	12 kDa
氨基酸	93 to 201
标签	His tag C-Terminus

技术指标

Our [Abpromise guarantee](#) covers the use of **ab125747** in the following tested applications.

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

生物活性	The ED ₅₀ of 3-4ng/ml is measured by its ability to stimulate the proliferation of Human microvascular endothelial cells (HMVECs).
应用	Functional Studies SDS-PAGE
纯度	> 95 % SDS-PAGE. ab125747 was lyophilized after extensive dialysis against PBS.
形式	Lyophilised

制备和贮存

稳定性和存储	Shipped at 4°C. Store at -20°C. Store under desiccating conditions. Constituent: 99% PBS This product is an active protein and may elicit a biological response in vivo, handle with caution.
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复溶	It is recommended to reconstitute the ab125747 in sterile ultra pure water not less than 100 µg/ml, which can then be further diluted to other aqueous solutions. Upon reconstitution ab125747 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
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常规信息	
功能	Growth factor active in angiogenesis, lymphangiogenesis and endothelial cell growth, stimulating their proliferation and migration and also has effects on the permeability of blood vessels. May function in the formation 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.
组织特异性	Highly expressed in lung, heart, small intestine and fetal lung, and at lower levels in skeletal muscle, colon, and pancreas.
序列相似性	Belongs to the PDGF/VEGF growth factor family.
翻译后修饰	Undergoes a complex proteolytic maturation which generates a variety of processed secreted forms with increased activity toward VEGFR-3 and VEGFR-2. VEGF-D first form an antiparallel homodimer linked by disulfide bonds before secretion. The fully processed VEGF-D is composed mostly of two VEGF homology domains (VHDs) bound by non-covalent interactions.
细胞定位	Secreted.

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