9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-1828: VEGF Yeast Recombinant Protein

Alternative Name : Vascular endothelial growth factor A,VEGF-A,Vascular permeability factor,VPF,VEGF,MGC70609.

Description

Source : Pichia Pastoris. Vascular Endothelial Growth Factor Human Recombinant produced in Yeast is a double, glycosylated, polypeptide chain containing 165 amino acids and having a molecular mass of 42 kDa. Vascular endothelial growth factor is an important signaling protein involved in both vasculogenesis and angiogenesis. As its name implies, VEGF activity has been mostly studied on cells of the vascular endothelium, although it does have effects on a number of other cell types (e.g. stimulation monocyte/macrophage migration, neurons, cancer cells, kidney epithelial cells). VEGF mediates increased vascular permeability, induces angiogenesis, vasculogenesis and endothelial cell growth, promotes cell migration, and inhibits apoptosis. In vitro, VEGF has been shown to stimulate endothelial cell mitogenesis and cell migration. VEGF is also a vasodilator and increases microvascular permeability and was originally referred to as vascular permeability factor.Elevated levels of this protein is linked to POEMS syndrome, also known as Crow-Fukase syndrome. Mutations in this gene have been associated with proliferative and nonproliferative diabetic retinopathy.

Product Info

Amount :	10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	Vascular Endothelial Growth Factor Human Recombinant produced in Yeast is a double, glycosylated, polypeptide chain containing 165 amino acids and having a molecular mass of 42 kDa.
Storage condition :	Vascular Endothelial Growth Factor Human although stable at 15°C for 2 weeks, should be stored 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.

Application Note

Determined by its ability to stimulate 3H-Thymidine incorporation in human umbilical vein endothelial cells, the ED50 for this effect was found to be 2-6ng/ml.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.