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32-1829: VEGF Baculovirus Recombinant Protein

Alternative Name : Vascular Endothelial Growth Factor A,VEGF,Vascular Permeability Factor,MVCD1,VPF, Vascular Endothelial Growth Factor,VEGF-A,Vascular endothelial growth factor A.

Description

Source : Sf9, Baculovirus cells. VEGF produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 197 amino acids (1-191 a.a.) and having a molecular mass of 23.1 kDa. VEGF is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques. 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/ macrophagemigration, 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 mitogenesisand 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 are 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 85.0% as determined by SDS-PAGE."
Content :	VEGF protein solution (0.25mg/ml) contains Phosphate buffered saline (pH7.4), 10% glycerol, 1mM DTT and 0.1mM PMSF.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	MNFLLSWVHW SLALLLYLHH AKWSQAAPMA EGGGQNHHEV VKFMDVYQRSYCHPIETLVD IFQEYPDEIE YIFKPSCVPL MRCGGCCNDE GLECVPTEES NITMQIMRIK PHQGQHIGEM SFLQHNKCEC RPKKDRARQE NPCGPCSERR KHLFVQDPQT CKCSCKNTDS RCKARQLELNERTCRCDKPR RHHHHHH.