

## Recombinant Human VEGFB

Cat No:HR2R2065

For research use only

### Overview

Quantity	1.0 ?g
Gene Symbol	VEGFB
Gene ID	7423
Accession	P49765
Alternative Name	VEGF-related factor
Species	Human
Source	E. coli
Description	Vascular endothelial growth factor B (VEGFB) is a homodimeric, heparin-binding glycoprotein member of the VEGF family of growth factors. Compared to VEGFA, VEGFB's main role is the maintenance of newly formed blood vessels and is involved in endothelial cell physiology. It is a ligand for vascular endothelial growth factor receptor 1 (VEGFR1) and neuropilin-1 (NRP1), while the binding of neuropilin-1 to VEGFB186 is proteolysis regulated.
Functions	Measured in a cell proliferation assay using NIH-3T3 mouse embryonic fibroblast. The ED50 for this effect is &lt; 1ng/ml.
Formulation	Lyophilized as a 0.2 ?m filtered solution in Acetonitrile and TFA
Solubility	N/A
Appearance	Lyophilized Powder
Molecular Weight	19
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70°C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8°C for one month, or at -20°C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.