

## VEGF 164, Mouse Recombinant

<b>Catalog No.</b>	CRV008	<b>Quantity:</b>	10 µg
<b>Description:</b>	Vascular Endothelial Cell Growth Factor (VEGF) is a homodimeric protein secreted by a variety of vascularized tissues. The reported activities of VEGF include stimulation of endothelial cell growth, angiogenesis, and capillary permeability. Mouse VEGF is a homodimeric protein consisting of two 164 amino acid polypeptide chains.		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	39.0 kDa		
<b>Formulation:</b>	Lyophilized without additives.		
<b>Purity:</b>	>98.0% as determined by RP-HPLC and SDS-PAGE analyses.		
<b>Endotoxin Level:</b>	<0.1 ng/µg of protein.		
<b>Biological Activity:</b>	The biological activity of mouse VEGF was determined by its mitogenic activity on human umbilical vein endothelial cells and bovine aortic endothelial cells. Mitogenic activity was obtained for stimulation of 3H-thymidine and cell proliferation in a concentration range of 1.0 to 5.0 ng/ml.		
<b>Specific Activity:</b>	1 x 10 <sup>6</sup> units/mg		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> The lyophilized mouse VEGF is soluble in water and most aqueous buffers. The lyophilized VEGF should be reconstituted in water to a concentration of 1.0 mg/ml. This solution can be diluted into other buffered solutions or stored at -20°C for future use.		
<b>Storage &amp; Stability:</b>	The lyophilized protein, though stable at room temperature, is best stored desiccated below 0°C. Reconstituted mouse VEGF should be stored in working aliquots at -20°C. <b>Avoid repeated freeze-thaw cycles.</b>		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

