



## Product Datasheet

<b>Product Name</b>	Recombinant Human Vascular Endothelial Growth Factor
<b>Cata No</b>	CB500004
<b>Source</b>	CHO.
<b>Synonyms</b>	Vascular endothelial growth factor A, VEGF-A, Vascular permeability factor, VPF, VEGF

### Description

The cDNA sequence encoding the 165 amino acid residue variant of human VEGF was expressed in a Chinese hamster ovary cell line.

The recombinant disulfide-linked homodimeric human VEGF is glycosylated and migrates as a 42 kDa in SDS-PAGE under non-reducing conditions.

### Purity

> 97%, as determined by SDS-PAGE under non-reducing conditions and visualized by silver stain.

### Endotoxin Level

< 1.0 EU per 1ug of the recombinant VEGF as determined by the LAL method.

### Biological Activity

The biological activity of recombinant human VEGF

was measured by its ability to stimulate <sup>3</sup>H-thymidine incorporation in human umbilical vein endothelial cells. The ED<sub>50</sub> for this effect is 2 - 6 ng/ml.

### Reconstitution

It is recommended to reconstitute the lyophilized Vascular Endothelial Growth Factor Human in sterile 18MΩ-cm H<sub>2</sub>O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.

### Formulation

The sterile filtered solution in PBS, pH 7.4.

### Storage

This cytokine can be stored under sterile conditions at 4°C for two months or at -20°C for six months without detectable loss of activity.