

## Product datasheet for **TP728294**

### Recombinant VEGF165 (Vascular endothelial growth factor 165), Human

#### Product data:

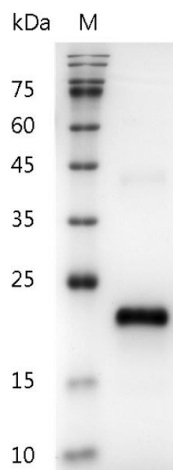
Product Type:	Recombinant Proteins
Description:	Recombinant VEGF165 (Vascular endothelial growth factor 165), Human
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MAPMAEGGGQNHHEVVKFMDVYQRSYCHPIETLVDIFQEYPDEIEYIFKPSCVPLMRCGGCCNDEGLECV PTEESNITMQIMRIKPHQGQHIGEMSFLQHNKCECRPKKDRARQENPCGPCSERRKHLFVQDPQTCKCS CKNTDSRCKARQLELNERTCRCDKPRR with polyhistidine tag at the C-terminus.
Tag:	His Tag (C-term)
Predicted MW:	The protein has a calculated MW of 20.11 kDa. The protein migrates as 21 kDa under reducing condition (SDS-PAGE analysis).
Purity:	>98% as determined by SDS-PAGE.
Buffer:	The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 8.0.
Bioactivity:	Measure by its ability to induce HUVEC cells proliferation. The ED <sub>50</sub> for this effect is <5 ng/mL. The specific activity of recombinant human VEGF165 is approximately >1.4 x 10 <sup>6</sup> IU/mg.
Endotoxin:	<0.1 EU per 1 µg of the protein by the LAL method.
Reconstitution Method:	Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 100 µg/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.
Applications:	Cell culture
Storage:	Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.
RefSeq:	<a href="#">NP_001165097</a>
UniProt ID:	<a href="#">P15692</a> , <a href="#">A0A0Y0IMM4</a>
Synonyms:	VPF, Folliculostellate cell-derived growth factor, Glioma-derived endothelial cell mitogen



[View online »](#)

**Summary:**

Vascular Endothelial Growth Factors 165(VEGF165) is a potent growth and angiogenic cytokine which belongs to the VEGF family, includes VEGF-A, VEGF-B, VEGF-C, VEGF-D, VEGF-E, and PlGF. Human VEGF165 is an abundant glycosylated cytokine composed of two identical 165 amino acid chains. Human VEGF165 plays an important role in embryonic vasculogenesis, angiogenesis and neurogenesis.

**Product images:**


SDS- PAGE analysis of recombinant human VEGF165