

Product datasheet for **TP728294M**

Recombinant VEGF165 (Vascular endothelial growth factor 165), Human

Product data:

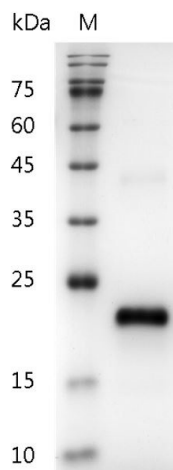
Product Type:	Recombinant Proteins
Description:	Recombinant VEGF165 (Vascular endothelial growth factor 165), Human
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MAPMAEGGGQNHHEVVKFMDVYQRSYCHPIETLVDIFQEYYPDEIEYIFKPSCVPLMRCGGCCNDEGLECV PTEESNITMQIMRIKPHQGQHIGEMSFLQHNKCECRPKKDRARQENPCGPCSERRKHLFVQDPQTCKCS 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 ₅₀ for this effect is <5 ng/mL. The specific activity of recombinant human VEGF165 is approximately >1.4 x 10 ⁶ 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 ₂ 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:	NP_001165097
UniProt ID:	P15692 , A0A0Y0IMM4
Synonyms:	VPF, Folliculostellate cell-derived growth factor, Glioma-derived endothelial cell mitogen



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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