

Recombinant Rat Vegfc, His-tagged

Cat. No. Vegfc-534R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Rat VEGF-C (127aa) is fused at the C-terminus to a His-tag.
Species	Rat
Source	Sf9 Cells
Description	VEGF-C forms primarily non-covalently linked dimers. In adults, VEGF-C is highly expressed in heart, placenta, ovary and small intestine. It binds and activates VEGFR-2 (KDR/FLK1) and VEGFR-3 (FLT4) receptors. It is a growth factor active in angiogenesis and endothelial cell growth, stimulating their proliferation and migration and also has effects on the permeability of blood vessels. It is involved in the regulation of the growth and/or differentiation of lymphatic endothelium. It is also a mitogen for vascular endothelial cells.
Form	Lyophilized.
Molecular Mass	~15-20kDa
Purity	≥90% (SDS-PAGE)
Stability	Stable for at least 6 months after receipt when stored at -20°C.
Storage	Short Term Storage: +4°C; Long Term Storage: -20°C. After reconstitution, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.

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GENE INFORMATION

Gene Name	Vegfc vascular endothelial growth factor C [Rattus norvegicus]
Official Symbol	Vegfc
Synonyms	VEGFC; vascular endothelial growth factor C; VRP; VEGF-C; flt4-L; flt4 ligand; vascular endothelial growth factor-related protein;
Gene ID	114111
mRNA Refseq	NM_053653
Protein Refseq	NP_446105
Pathway	Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem; Hemostasis, organism-specific biosystem;
Function	chemoattractant activity; growth factor activity; vascular endothelial growth factor receptor 3 binding; vascular endothelial growth factor receptor 3 binding;

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