

## Active Recombinant Mouse/Rat VEGFC protein(Ala108-Arg223), Fc-tagged

Cat. No. VEGFC-1319M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse / Rat VEGFC (NP_033532.1/O35757) (Ala108-Arg223) was expressed in HEK293, fused with the Fc region of human IgG1 at the N-terminus. Mouse and Rat mature VEGFC sequences are identical.
<b>Species</b>	Mouse/Rat
<b>Source</b>	HEK293
<b>ProteinLength</b>	Ala108-Arg223
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	1. Immobilized Mouse FLT4-His at 10 µg/mL (100 µL/well) can bind Mouse/Rat Fc-VEGFC, The EC50 of Mouse/Rat Fc-VEGFC is 0.41-0.95 µg/mL. 2. Measured in a cell proliferation assay using Human umbilical vein endothelial cells (HUVEC). The ED50 for this effect is typically 70-300 ng/mL.
<b>Molecular Mass</b>	The recombinant Mouse / Rat VEGFC/Fc comprises 376 amino acids and has a predicted molecular mass of 41.5 kDa. The apparent molecular mass of the protein is approximately 44 and 34 kDa in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method

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<b>Purity</b>	> 90 % as determined by SDS-PAGE
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

<b>Gene Name</b>	Vegfc vascular endothelial growth factor C [ <i>Mus musculus</i> ]
<b>Official Symbol</b>	VEGFC
<b>Synonyms</b>	VEGFC; vascular endothelial growth factor C; VRP; flt4-L; flt4 ligand; vascular endothelial growth factor C isoform 129; vascular endothelial growth factor C isoform 184; vascular endothelial growth factor-related protein; VEGF-C; AW228853;
<b>Gene ID</b>	22341
<b>mRNA Refseq</b>	NM_009506
<b>Protein Refseq</b>	NP_033532

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