

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

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

SPECIFICATION

Product Overview	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.
Species	Mouse/Rat
Source	HEK293
ProteinLength	Ala108-Arg223
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	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.
Molecular Mass	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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Purity	> 90 % as determined by SDS-PAGE
Storage	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.
Reconstitution	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	
Gene Name	Vegfc vascular endothelial growth factor C [Mus musculus]
Official Symbol	VEGFC
Synonyms	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;
Gene ID	22341
mRNA Refseq	NM_009506
Protein Refseq	NP_033532