

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

Cat. No. VEGFC-1148M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse / Rat VEGFC (NP_033532.1/O35757) (Ala108-Arg223) was expressed in HEK293, fused with a polyhistidine tag at the C-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/rat VEGFC-His at 10 µg/mL (100 µL/well) can bind mouse VEGFR3-Fc, The EC50 of mouse VEGFR3-Fc is 17.4-40.6 ng/mL. 2. Measured in a cell proliferation assay using human umbilical vein endothelial cells (HUVEC). The ED50 for this effect is typically 0.1-0.8 µg/mL.
Molecular Mass	The recombinant mouse / rat VEGFC comprises 127 amino acids and predicts a molecular mass of 14.5 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE

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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.

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