Recombinant Danio rerio (zebrafish) VEGFA protein(Met1-Arg188)

Cat. No. VEGFA-049Z **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Zebrafish VEGF165 (O73682-Isoform VEGF165) (Met 1-Arg188) was expressed and purified in Insect Cells.
Species	Zebrafish
Source	Insect Cells
ProteinLength	Met1-Arg188
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured in a cell proliferation assay using human umbilical vein endothelial cells (HUVEC). The ED50 for this effect is typically 30-250ng/mL.
Molecular Mass	The recombinant zebrafish VEGF165 consists of 165 amino acids and has a calculated molecular mass of 19.2 kDa. It migrates as an 22 KDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 90 % 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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