

Recombinant Zebrafish vegfaa Protein, His-tagged

Cat. No. vegfaa-556Z **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Zebrafish vegfaa Protein (Ala24-Arg144) with N-His tag was expressed in E. coli.
Species	Zebrafish
Source	E.coli
ProteinLength	Ala24-Arg144
Description	Enables growth factor activity. Acts upstream of or within several processes, including animal organ development; circulatory system development; and regulation of vasculature development. Predicted to be located in extracellular region and membrane. Predicted to be active in extracellular space. Is expressed in several structures, including cardiovascular system; mesoderm; nervous system; pleuroperitoneal region; and podocyte. Used to study proteinuria. Human ortholog(s) of this gene implicated in several diseases, including artery disease (multiple); autoimmune disease (multiple); gastrointestinal system cancer (multiple); hematologic cancer (multiple); and reproductive organ cancer (multiple). Orthologous to human VEGFA (vascular endothelial growth factor A).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 17.7 kDa Accurate Molecular Mass: 18 kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	vegfaa vascular endothelial growth factor Aa [<i>Danio rerio</i> (zebrafish)]
Official Symbol	vegfaa
Synonyms	vegfaa; vascular endothelial growth factor Aa; vegf; vegfa; wu:fj82c06; vascular endothelial growth factor A-A; VEGF-A-A; etID309976.16; vascular endothelial growth factor A; vegf-a
Gene ID	30682
mRNA Refseq	NM_131408
Protein Refseq	NP_571483

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID

O73682

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA