

Recombinant Human VEGFC protein, His & T7-tagged

Cat. No. VEGFC-604H **Lot. No.** (See product label)

SPECIFICATION

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|-------------------------|---|
| Product Overview | Recombinant Human VEGFC aa. (Glu47~Trp413 (Accession # P49767)) fused with N-terminal His & T7 tag was produced in E. coli cells. |
| Species | Human |
| Source | E.coli |
| ProteinLength | Glu47~Trp413 |
| Description | The protein encoded by this gene is a member of the platelet-derived growth factor/vascular endothelial growth factor (PDGF/VEGF) family. The encoded protein promotes angiogenesis and endothelial cell growth, and can also affect the permeability of blood vessels. The proprotein is further cleaved into a fully processed form that can bind and activate VEGFR-2 and VEGFR-3 receptors. |
| Form | Freeze-dried powder |
| Molecular Mass | Predicted Molecular Mass: 45.5kDa |
| Endotoxin | <1.0EU per 1g (determined by the LAL method) |
| Purity | >95% |
| Characteristic | The isoelectric point is 8.2. |

 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

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| Applications | SDS-PAGE; WB; ELISA; IP |
| 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°C 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°C for one month. Aliquot and store at -80°C for 12 months. |
| Storage buffer | Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl. |
| Reconstitution | Reconstitute in sterile PBS, pH7.2-pH7.4. |

GENE INFORMATION

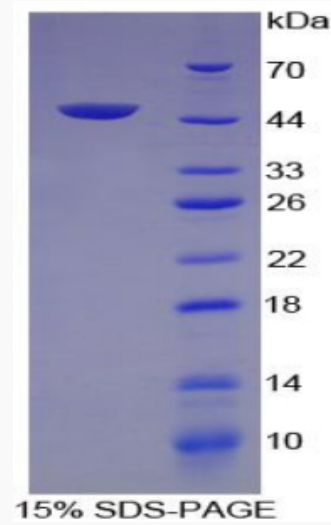
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|------------------------|---|
| Gene Name | VEGFC vascular endothelial growth factor C [Homo sapiens (human)] |
| Official Symbol | VEGFC |
| Synonyms | VEGFC; vascular endothelial growth factor C; VRP; Flt4-L; LMPH1D; vascular endothelial growth factor C; FLT4 ligand DHM; vascular endothelial growth factor-related protein |
| Gene ID | 7424 |
| mRNA Refseq | NM_005429.4 |
| Protein Refseq | NP_005420.1 |
| UniProt ID | P49767 |

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SDS-PAGE



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