

Animal-Free VEGF165 Protein, Human (His)

Cat. No.:	HY-P700157AF
Synonyms:	rHuVEGF165; VPF; Folliculostellate cell-derived growth factor; Glioma-derived endothelial cell mitogen
Species:	Human
Source:	E. coli
Accession:	P15692-4 (A27-R191)
Gene ID:	7422
Molecular Weight:	Approximately 20.11 kDa

PROPERTIES

AA Sequence	<p> M A P M A E G G G Q N H H E V V K F M D V Y Q R S Y C H P I E T L V D I F Q E Y P D E I E Y I F K P S C V P L M R C G G C C N D E G L E C V P T E E S N I T M Q I M R I K P H Q G Q H I G E M S F L Q H N K C E C R P K K D R A R Q E N P C G P C S E R R K H L F V Q D P Q T C K C S C K N T D S R C K A R Q L E L N E R T C R C D K P R R </p>
Biological Activity	Measure by its ability to induce HUVEC cells proliferation. The ED ₅₀ for this effect is <5 ng/mL. The specific activity of recombinant human VEGF165 is approximately >1.4 x 10 ⁶ IU/mg.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a solution containing 1X PBS, pH 8.0.
Endotoxin Level	<0.1 EU per 1 µg of the protein by the LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	VEGF145 Protein, characterized by limited expression, is not widely distributed across tissues or cell types. The restricted occurrence of VEGF145 suggests a specialized and possibly context-specific role in physiological processes. Further investigation is warranted to uncover the specific cellular contexts and functions in which VEGF145 is actively involved, shedding light on its potential contributions to localized biological activities.
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Caution: Product has not been fully validated for medical applications. For research use only.

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