

## VEGF165 Protein, Human (HEK293, C-His)

Cat. No.:	HY-P70458A
Synonyms:	Vascular Endothelial Growth Factor Isoform 165; VEGF165
Species:	Human
Source:	HEK293
Accession:	P15692-4 (A27-R191)
Gene ID:	7422
Molecular Weight:	20-23 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>           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>
<b>Biological Activity</b>	Measured in a cell proliferation assay using HUVEC human umbilical vein endothelial cells. The ED <sub>50</sub> this effect is 2.929 ng/ml, corresponding to a specific activity is 3.41×10 <sup>5</sup> units/mg.
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of 50 mM Tris-HCL, 300 mM NaCl, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/μg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	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.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	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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