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Human VEGF165

Catalog #: 91006
Lot #: 140925

Description: Recombinant human vascular endothelial growth factor (VEGF)165 expressed in CHO cells. Human VEGF exists in multiple molecular variants and are named based on the number of amino acids they contain. VEGF165 is the most common form of VEGF.

Source: Optimized DNA sequence encoding human VEGF165 mature chain was expressed in CHO cells.

Formulation: Recombinant VEGF lyophilized from 0.2 µm filtered 20 mM PB solution, pH 7.0.

Reconstitution: Briefly centrifuge the vial, followed by reconstitution in distilled water to a concentration of ≥ 0.1 mg/ml. This solution can then be further diluted into other buffers containing carrier protein (0.1% BSA).

Storage: The lyophilized protein is stable for at least 2 years from date of receipt when stored at -20°C. Upon reconstitution, store in working aliquots at 2 - 8° C for up to one month, or at -20°C for up to six months, in the presence of a carrier protein. Avoid repeated freeze/thaw cycles.

Purity: >95%, as determined by SDS-PAGE and HPLC.

Endotoxin Level: Endotoxin level was found to be < 0.1 ng/µg (1EU/µg), using the LAL gel clot method.

Biologic Activity: The ED50 was determined by the dose-dependent proliferation of human umbilical vein endothelial cells (HUVEC) using a concentration range of 1.0-10 ng/ml.

Protein Sequence:

APMAEGGGQNHHEVVKFMDVYQRSY
CHPIETLVDIFQEYPDEIEYIFKPSCVPL
MRCGGCCNDEGLECVPTEESNITMQI
MRIKPHQGQHIGEMSFLQHNKCECRP
KKDRARQENPCGPCSERRKHLFQDP
QTCKCSCKNTDSRCKARQLELNERTC
RCDKPRR

References:

1. *Reproduction.* 2009; **138:** 667-677.
2. *Ann. Onc.* 2009; **20:** 1639-1646.