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VEGI (Human); VEGI-192
Catalog # PVGS1016

Specification

VEGI (Human); VEGI-192 - Product Information

Species
Human

Sequence
The sequence of the first five N-terminal amino acids has been found to be Met-Gln-Leu-Thr-Lys.

Purity
The purity of Recombinant Human VEGI-192 is greater than 95.0%, as determined by the following methods:

(a) RP-HPLC analysis

(b) Reducing and non-reducing SDS-PAGE silver-stained gel analysis

Endotoxin Level
The endotoxin level of Recombinant Human VEGI-192 is below 0.1 ng/µg (1 IEU/µg) of rHuVEGI.

Formulation **Recombinant Human VEGI-192 is lyophilized after extensive dialysis against 0.5 M NaCl, 50 mM Tris-HCl buffer, pH 7.5.**

Reconstitution
It is recommended that the lyophilized VEGI-192 be reconstituted in sterile 18 MΩ-cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

VEGI (Human); VEGI-192 - Additional Information

Target Background
Vascular endothelial growth inhibitor (VEGI; TNFSF-15) is a new member of the tumor necrosis factor family. VEGI is predominantly an endothelial cell-specific gene, and recombinant VEGI is a potent inhibitor of endothelial cell proliferation, angiogenesis and tumor growth. VEGI exerts two activities on endothelial cells: early G1 arrest of G0/G1-cells responding to growth stimuli, and programmed death of proliferating cells. These activities are highly specific to endothelial cells. VEGI is also able to regulate the expression of several important genes involved in angiogenesis. These findings are consistent with the view that VEGI functions as an autocrine cytokine to inhibit angiogenesis and stabilize the vasculature.

 Vascular Endothelial Growth Inhibitor (VEGI), human, produced in E. coli, is a single, non-glycosylated polypeptide chain containing 192 amino acids and having a molecular mass of 21,858 Da.

VEGI (Human); VEGI-192 - Protein Information

VEGI (Human); VEGI-192 - Protocols

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Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

VEGI (Human); VEGI-192 - Images