

## 32-12332: Mouse Vascular Endothelial Growth Factor-120

**Gene :** Vegfa  
**Gene ID :** 22339  
**Uniprot ID :** Q00731-3  
**Alternative Name :** Vascular endothelial growth factor A,  $\hat{A}$  VEGF-A,  $\hat{A}$  Vascular permeability factor $\hat{A}$  , VPF

### Description

**Source:** Genetically modified E.coli.

**Predicted MW:**  $\hat{A}$  Dimer, 14.2/28.4 kDa (121/242 aa)

Vascular endothelial growth factor A (VEGF-A) is produced by a wide variety of cell types, including tumor and vascular cells.  $\hat{A}$  VEGF-A is a mediator of vascular growth, vascular permeability, and plays a role in stimulating vasodilation via nitric oxide-dependent pathways.  $\hat{A}$  Mouse VEGF-A has several alternatively spliced isoforms, with one being VEGF-120.  $\hat{A}$  VEGF-120 is an angiogenic factor that is expressed throughout endochondral bone development and is important during skeletogenesis.

### Product Info

**Amount :** 10  $\mu$ g / 100  $\mu$ g  
**Purification :** Reducing and Non-Reducing SDS PAGE at  $\geq$  95%  
**Content :** Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)  
Sterile water at 0.1 mg/mL  
**Storage condition :** Store at -20°C  
**Amino Acid :** MAPTTEGEQK SHEVIKMDV YQRSYCRPIE TLVDIFQEYP DEIEYIFKPS CVPLMRCAGC CNDEALECVP  
TSESNITMQI MRIKPHQSQH IGEMSFLQHS RCECRPKKDR TKPEKCDKPR R

### Application Note

**Endotoxin:** Less than 0.1 ng/ $\hat{A}$  $\hat{A}$  $\mu$ g (1 IEU/ $\hat{A}$  $\hat{A}$  $\mu$ g) as determined by LAL test.

Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 $\hat{A}$  $\hat{A}$ C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vial to compensate for this loss.

