

Recombinant Murine VEGF-120

CATALOG #: 4964-10 10 µg
4964-100 100 µg
4964-1000 1 mg

LOT #: _____

SOURCE: *E. coli*

PURITY: > 97 % by SDS-PAGE and HPLC analyses
Endotoxin level is <0.1 ng per µg of rm-VEGF-120.

FORMULATION: Sterile filtered and lyophilized without additives

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in sterile water to a concentration of 0.1mg/ml. The solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

STORAGE CONDITIONS:

The lyophilized recombinant murine VEGF-120 is very stable at -20°C. Reconstituted rm-VEGF-120 should be stored at working aliquots at -20°C. It is recommended to add a carrier protein (0.1 % HSA or BSA) for long term storage.

DESCRIPTION:

Vascular Endothelial Growth factor-A (VEGF-A) was originally isolated from tumor cells and is produced by a wide variety of cell types. In addition to stimulating vascular growth and permeability, VEGF-A may play a role in stimulating vasodilatation via nitric oxide-dependent pathways. Mouse VEGF-A has several variants, one being VEGF-120 (also known as VEGF-2). Recombinant Mouse VEGF-120 is a homodimer with a molecular weight of 28.2 kDa.

BIOLOGICAL ACTIVITY:

The activity as determined by dose-dependent proliferation of human umbilical vein endothelial cells (HUVEC) was typically found to be 1-5 ng/ml.

AA SEQUENCE:

MAPTTEGEQKSHEVIKFMVDVYQRSYCRPIETLVDIFQEYYPDEIEYIFKPSCVPLMRCAGCCND
EALCECVPTSESNIQMIRIKPHQSQHIGEMSFLOHRSRCECRPKKDRTKPEKCDKPRR

FOR RESEARCH USE ONLY! Not to be used in humans.

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