

Recombinant Murine VEGF-120

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

SOURCE: *E. coli*

PURITY: > 95% by SDS-PAGE

ENDOTOXIN LEVELS: Endotoxin level is ≤ 1 EU/µg of rm-VEGF-120.

MOLECULAR WT.: Dimer, 14.2/28.4 kDa (with 121/242 amino acids)

FORMULATION: Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)

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 28.4 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 (≥ 2.0 x 10⁵ units/mg)

AA SEQUENCE:

MAPTTEGEQKSHEVIKFMVDVYQRSYCRPIETLVDIFQEYPDEIEYIFKPSCVPLMRCAGCCND
EALCEVPTSESNTMQIMRIKPHQSQHIGEMSFLQHSRCECRPKKDRTKPEKCDKPRR

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