10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

VEGF120, murine recombinant protein

Vascular endothelial growth factor A, VEGF-A, Vascular permeability factor, VPF, VEGF, MGC70609, VPF

Catalog # PBV10511r

Specification

VEGF120, murine recombinant protein - Product info

Primary Accession	Q00731
Calculated MW	28.2 kDa KDa

VEGF120, murine recombinant protein - Additional Info

Gene ID	22339
Gene Symbol	VEGFA

Other Names
Vascular endothelial growth factor A, VEGF-A, Vascular permeability factor, VPF, VEGF, MGC70609.

Gene Source	Mouse
Source	E. coli
Assay&Purity	SDS-PAGE; ≥97%
Assay2&Purity2	HPLC; ≥97%
Recombinant	Yes
Results	1-5 ng/ml
Sequence	MAPTTEGEQKSHEVIKFMDVYQRSYCRPIETLV DIFQEYPDEIEYIFKPSCVPLMRCAGCCNDEALE CVPTSESNITMQIMRIKPHQSQHIGEMSFLQHS RCECRPKKDRTKPEKCDKPRR

Application Notes
Reconstitute the lyophilized product with sterile H_2O at a concentration of 0.1 – 0.5 mg/ml, which can be further diluted into other aqueous solutions

Format
Lyophilized protein

Storage
-20°C; Sterile filtered and lyophilized with no additives

VEGF120, murine recombinant protein - Protocols

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

VEGF120, murine recombinant protein - Images

VEGF120, murine recombinant protein - Background

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.

VEGF120, murine recombinant protein - References

Breier G.,et al.Development 114:521-532(1992).
Claffey K.P.,et al.J. Biol. Chem. 267:16317-16322(1992).
Sugihara T.,et al.J. Biol. Chem. 273:3033-3038(1998).
Jankowsky J.A.,et al.Submitted (MAR-2003) to the EMBL/GenBank/DDBJ databases.
Church D.M.,et al.PLoS Biol. 7:E1000112-E1000112(2009).