

RMCS020

Recombinant VEGF (Vascular endothelial growth factor),
Swine ,AF



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5ug;20ug;

Synonym/Alternative name(s) : VEGFA

Activity : N/A

Protein Description:

Vascular endothelial growth factor (VEGF), originally known as vascular permeability factor (VPF), is a signal protein produced by cells that stimulates the formation of blood vessels. VEGF is required during embryogenesis to regulate the proliferation, migration, and survival of endothelial cells. In adults, VEGF functions mainly in wound healing and the female reproductive cycle. Pathologically, it is involved in tumor angiogenesis and vascular leakage. Circulating VEGF levels correlate with disease activity in autoimmune diseases such as rheumatoid arthritis, multiple sclerosis and systemic lupus erythematosus. VEGF is induced by hypoxia and cytokines such as IL-1, IL-6, IL-8, oncostatin M and TNF-alpha.

Protein Accession : P49151.1

Gene ID : 397157

Expression Sequence:

MAPMAEGDQKPHEVVVKFMDVYQRSYCRPIETLVDIFQEYDPDEIEYIFKPCSCVPLMRCGGCCNDEGLECVPTTEFNITMQIMRIKPHQG
QHIGEMSFLLQHNKCECRPKKDRARQENPCGPCSERRKHFLVQDPQTCKCSCKNTDSRCKARQLELNERTCRCDKPRR with
polyhistidine tag at the C-terminus.

Fusion tag : His-tag?at?the?C-terminus

Species : Swine

Reactivity : Pig

Expression Host : Escherichia coli

Source : E. coli

Purity/method:

>95% as determined by SDS-PAGE.

Ni-NTA chromatography.

Endotoxin level:

<0.1 EU per 1 µg of the protein by the LAL method.

Calculated Molecular Weight : 20.16 kDa

Formulation:

The protein was lyophilized from a solution containing 1X PBS, pH 8.0.

Reconstitution:

It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping : Blue Ice

Stability and Storage:

Lyophilized protein should be stored at -20°C for 1 year.

Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or

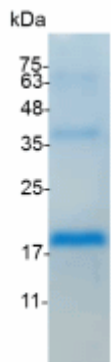
stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

Category : Cytokines

Application : Cell culture, Elisa

Image:



SDS- PAGE analysis of recombinant swine VEGF