

Recombinant rat VEGFA protein

Catalog Number: ATGP2900

PRODUCT INFORMATION

Expression system

E.coli

Domain

27-146aa

UniProt No.

P16612

NCBI Accession No.

NP_001274039

Alternative Names

Vascular endothelial growth factor A isoform 8, Vascular permeability factor, Vegf, VEGF-A, VPF

PRODUCT SPECIFICATION

Molecular Weight

16.7 kDa (145aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 50% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Vascular endothelial growth factor A isoform 3, also known as VEGFA, belongs to the PDGF/VEGF growth factor family. It is a growth factor active in angiogenesis, vasculogenesis and endothelial cell growth. VEGFA induces endothelial cell proliferation, promotes cell migration, inhibits apoptosis and induces permeabilization of blood vessels. It has been speculated that VEGF may function as a tumor angiogenesis factor in vivo because the expression pattern of VEGF is consistent with a role in embryonic angiogenesis. Recombinant Rat VEGFA protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography

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techniques.

Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSHPAPTTE GEQKAHEVVK FMDVYQRSYC RPIETLVDIF QEYPDEIEYI FKPSVCVPLMR
CAGCCNDEAL ECVPTSESNV TMQIMRIKPH QSQHIGEMSF LQHSRCECRP KKDRTKPEKC DKPRR

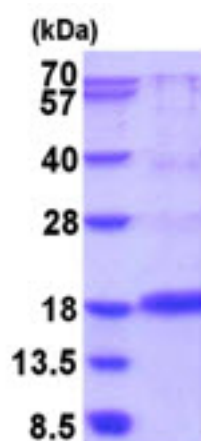
General References

El Ghazi F., et al. (2012) Neurobiol. 45: 871-886.

Feng J., et al. (2012) Cell Signal. 24: 1116-1125.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)