

Recombinant rat Vascular endothelial growth factor A protein



Catalog No: #AP72008

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Package Size: #AP72008-1 20ug #AP72008-2 100ug #AP72008-3 1mg

Description

Product Name	Recombinant rat Vascular endothelial growth factor A protein
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:27-214aaSequence Info:Full Length
Other Names	Vascular permeability factor ;VPF
Accession No.	P16612
Uniprot	P16612
GeneID	83785;
Calculated MW	26.1 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	APTTEGEQKAHEVVKFMDVYQRSYCRPIETLVDIFQEYPDEIEYIFKPCSVPLMRCAGCCNDEALECVPTSESN VTMQIMRIKPHQSQHIGEMSFLQHSRCECRPKKDRTKPEKKSVRGKGGKQKRKRKRSRFSWSVHCEPCSE RRKHLFVQDPQTCKCCKNTDSRCKARQLELNERTCRCDKPRR
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Growth factor active in angiogenesis, vasculogenesis and endothelial cell growth. Induces endothelial cell proliferation, promotes cell migration, inhibits apoptosis and induces permeabilization of blood vessels. Binds to the FLT1,VEGFR1 and KDR,VEGFR2 receptors, heparan sulfate and heparin. May play a role in increasing vascular permeability during lactation, when increased transport of molecules from the blood is required for efficient milk protein synthesis.

References

Amino acid and cDNA sequences of a vascular endothelial cell mitogen that is homologous to platelet-derived growth factor.Conn G., Bayne M.L., Soderman D.D., Kwok P.W., Sullivan K.A., Palisi T.M., Hope D.A., Thomas K.A.Proc. Natl. Acad. Sci. U.S.A. 87:2628-2633(1990)Research Topic:Others

Note: This product is for in vitro research use only